

19980428.qrp v01_n074.qrs.980428

Date: Tue, 28 Apr 1998 19:04:48 EDT
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 1074

QRP-L Digest 1074

Topics covered in this issue include:

- 1) [9276] Re: RS 5 Band Antenna
by RangerSF5 <RangerSF5@aol.com>
- 2) [9277] FS: OHR 100a and 20 meter SST Sold
by "Steve Zumbrun" <zumbruns@mail.stlukes.org>
- 3) [9278] Oops! Red face here!!!!!!
by ab5uacw@juno.com (Clifton W Sikes)
- 4) [9279] X-CLASS FLARE 4-27
by Paul Harden <pharden@aoc.nrao.edu>
- 5) [9280] Re: band plans
by Steven Weber <kd1jv@moose.ncia.net>
- 6) [9281] QPRTTF / QRPTTF
by "Zoerb, Ron" <Zoerb.Ron@tci.com>
- 7) [9282] Re: RS 5 Band Antenna
by Walt Amos <waltk8cv@ameritech.net>
- 8) [9283]
by "Robert Ricke" <MediaHouse@worldnet.att.net>
- 9) [9284] Re: qrp calling fre
by "W. Kimura" <w.kimura@valley.net>
- 10) [9285] SG2020
by Thomas J McCuen <TMcCuen@compuserve.com>
- 11) [9286] Re: CALLING FREQUENCIES??
by Monte Stark <ku7y@dri.edu>
- 12) [9287] Mixed modes
by ac5ez@webtv.net (Larry B)
- 13) [9288] Re: Mixed modes
by cjayheff@erols.com (C. Jay Heffner)
- 14) [9289] mixd mode
by ac5ez@webtv.net (Larry B)
- 15) [9290] WTB: OHR-100A for 20 Metres
by "Wilford D. Lindsey" <70511.3041@compuserve.com>
- 16) [9291] CQ ORLANDO
by Mike Duke <K5xu@cris.com>
- 17) [9292] Ozark QRPTTF Report
by "David Bixler" <DBIXLER@hs.seneca.k12.mo.us>
- 18) [9293] Re: SG2020
by Bruce Muscolino <w6toy@erols.com>
- 19) [9294] QRP club(s) in Indiana

- by KB9RPD <KB9RPD@aol.com>
- 20) [9295] Elmer101 - SW40+; Y4 grounding and stuff
by gsurrency@juno.com (Gary L Surrency)
- 21) [9296] Flame Suit
by "Ken Burrough" <ne0c@1st.net>
- 22) [9297] Re: SG2020
by Ed Tanton <n4xy@att.net>
- 23) [9298] Re: SG2020
by Vic Rosenthal <rakefet@rakefet.com>
- 24) [9299] SPICE, X-Windows, and Linux
by KC5TJA <kc5tja@topaz.axisinternet.com>
- 25) [9300] Re: Flame Suit
by KC5TJA <kc5tja@topaz.axisinternet.com>
- 26) [9301] Jaguey... solid state version of Islander
by "Prof.Arnaldo Coro Antich" <inforhc@mail.infocom.etecsa.cu>
- 27) [9302] Re: [9195] UK licensing
by Doug Faunt N6TQS +1-510-655-8604 <faunt@netcom.com>
- 28) [9303] qrpttf M0/KS
by John Sullllivan <kg0mz@southwind.net>
- 29) [9304] FISTS URL
by "Dennis B. Dolle" <dolledb@cet.com>
- 30) [9305] Help,TTF for 2xQRP WAS?
by "ukii" <ukii@megsinet.net>
- 31) [9306] BAND PLAN... SMAMMM!!!
by jdenison@morelr.com (JOEL DENISON)
- 32) [9307] Tecraft/ICM paucity--WTB
by MNHopkins <MNHopkins@aol.com>
- 33) [9308] QRPTTF K0FRP
by alan dawkins <alk0frp@earthlink.net>
- 34) [9309] Re: Ten Tec 1254, any comments??
by Ron Giuntini <rong@slip.net>
- 35) [9310] Re: SST Info de AL7FS
by "Jim (AL7FS), Nancy, Juliann & Issei" <larsennc@alaska.net>
- 36) [9311] K7NX QRP TTF web page
by Bill Bennett N7DZ <wbennet@azstarnet.com>
- 37) [9312] Re: FISTS URL
by Bill Bennett N7DZ <wbennet@azstarnet.com>
- 38) [9313] QRPTTF-Again
by n4js@pobox.com (John Sielke)
- 39) [9314] Re: SG2020
by ka7you@juno.com
- 40) [9315] Re: qrpttf M0/KS
by Paul Harden <pharden@aoc.nrao.edu>
- 41) [9316] FIST URL
by RangerSF5 <RangerSF5@aol.com>
- 42) [9317] Re: FL QSO Party - I ran too much power!
by Bob Patten <n4bp@bc.seflin.org>
- 43) [9318] Re: Help, TTF for 2xQRP WAS?

by Joe Gervais <vole@primenet.com>
44) [9319] Re: SG2020
by DYARNES <DYARNES@aol.com>
45) [9320] SG-2020: more reviews
by Conrad <radman@best.com>
46) [9321] Re: SG2020
by Paul Harden <pharden@aoc.nrao.edu>
47) [9322] intro & qrp ttf
by Tomer <t-ranch@humboldt1.com>
48) [9323] Index QRP+ Support...
by Conrad <radman@best.com>
49) [9324] "Jaguey DSB transceiver "
by "Prof.Arnaldo Coro Antich" <inforhc@mail.infocom.etecsa.cu>
50) [9325] C04BM's QSL info
by "Prof.Arnaldo Coro Antich" <inforhc@mail.infocom.etecsa.cu>
51) [9326] More from the SG 2020
by "Peter Zenker DL2FI" <Peter_DL2FI@csi.com>
52) [9327] Re: New QRP wanna be
by aa5yx@juno.com (John Harper AA5YX/2)
53) [9328] Did someone say Haiku?
by aa5yx@juno.com (John Harper AA5YX/2)
54) [9329] QRPTTF Log - KA1AXY
by Peter_Simpson@ne.3com.com
55) [9330] band plans
by "Harry Hurst" <hhurst@delaware.infi.net>
56) [9331] Re: CT LOGGING AND QRPTTF
by "Phillips Richard" <phillips@msoe.edu>
57) [9332] RE: SG2020
by "Peter Zenker DL2FI" <Peter_DL2FI@csi.com>
58) [9333] Re: QRPTTF from WY/NE/CO and scoring (long)
by "Ed Hare, W1RFI" <ehare@arrl.org>
59) [9334] Re: SG2020
by B11john <B11john@aol.com>
60) [9335] RAMBO - 3
by Chuck Carpenter <w5usj@webwide.net>
61) [9336] Re: K8FF paddle question
by "David Maliniak" <dmaliniak@penton.com>
62) [9337] Re: FISTS URL
by cjayheff@erols.com (C. Jay Heffner)
63) [9338] Elmer101: class pace results
by Michael Maiorana <mikemo@ibm.net>
64) [9339] Re: band plans
by "Steve Sorrell" <ap036@detroit.freenet.org>
65) [9340] QRPTTF AZ/NV/UT soapbox
by Bruce Grubbs <bog@flagstaff.az.us>
66) [9341] CW rigs
by Vic Rosenthal <rakefet@rakefet.com>
67) [9342] Re: An Open Letter to QRP Radio Designers

by Zack Lau <zlau@arrl.org>
68) [9343] Going to Smithsonian, NN3SI, Thursday April 30
by "Scott Rosenfeld [NF3I]" <ham@w3eax.umd.edu>
69) [9344] Re: New QRP wanna be
by Zack Lau <zlau@arrl.org>
70) [9345] Re: SG2020
by Ed Loranger <we6w@qsl.net>
71) [9346] FS-Banq/conc Tkt
by dave_epps@juno.com
72) [9347] Help finding Hamstick 20 meter antenna and mag mount
by "D.K. Philbin" <dphilbin@slonet.org>
73) [9348] Re: SPICE, X-Windows, and Linux
by Leon Heller <leon@lfheller.demon.co.uk>
74) [9349] Re: K8FF Paddles
by Tellefsen Bob-CNSE97 <cns97@lmpsil02.comm.mot.com>
75) [9350] Re: SPICE, X-Windows, and Linux
by KC5TJA <kc5tja@topaz.axisinternet.com>
76) [9351] Re: K8FF paddle question
by Ed Loranger <we6w@qsl.net>
77) [9352] Homebrew Air Variable Capacitors
by John Evans - N0HJ <jae@codenet.net>
78) [9353] Re: SPICE, X-Windows, and Linux
by Jim Eshleman <lujce@hooch.cc.Lehigh.EDU>
79) [9354] QRPTTF-Part 1
by "James R. Duffey" <ji3m@maxwell.com>
80) [9355] VFO Design Patterns
by KC5TJA <kc5tja@topaz.axisinternet.com>
81) [9356] Re: An Open Letter to QRP Radio Designers
by Zack Lau <zlau@arrl.org>
82) [9357] Need info on QRP logo
by RangerSF5 <RangerSF5@aol.com>
83) [9358] Thank you-Paddle advice
by Pete Meier <pmeier@tir.com>
84) [9359] The Equalizer: ANTENNA Multipliers
by Ed Loranger <we6w@qsl.net>
85) [9360] Re: Help finding Hamstick 20 meter antenna and mag mount
by Richard Brittingham <rbritt@visi.net>
86) [9361] FS: Jones Key
by Pete Meier <pmeier@tir.com>
87) [9362] QRPP Slip Up
by Chris Cartwright <ccart@dns.vidtel.com>
88) [9363] QRPTTF, SST, RR mobile
by tom whalen <whalen@swcp.com>
89) [9364] Re: The Equalizer: ANTENNA Multipliers
by Joe Gervais <vole@primenet.com>
90) [9365] Re: Need info on QRP logo
by Monte Stark <ku7y@dri.edu>
91) [9366] Re: Help finding Hamstick 20 meter antenna and mag mount

- by Bob Patten <n4bp@bc.seflin.org>
- 92) [9367] Re: The Equalizer: ANTENNA Multipliers
by Ed Tanton <n4xy@att.net>
- 93) [9368] Re: The Equalizer: ANTENNA Multipliers
by "Scott Rosenfeld [NF3I]" <ham@w3eax.umd.edu>
- 94) [9369] Re: The Equalizer: ANTENNA Multipliers
by Bob Patten <n4bp@bc.seflin.org>
- 95) [9370] Re: The Equalizer: ANTENNA Multipliers
by Monte Stark <ku7y@dri.edu>
- 96) [9371] Re: The Equalizer: ANTENNA Multipliers
by Ed Loranger <we6w@qsl.net>
- 97) [9372] RE: Stuff for Sale
by Larry East <w1hue@amsat.org>
- 98) [9373] Re: The Equalizer: ANTENNA Multipliers
by KC5TJA <kc5tja@topaz.axisinternet.com>
- 99) [9374] qrpttf
by Mal Goosey <goose@imt.net>
- 100) [9375] Re: The Equalizer: ANTENNA Multipliers
by Ed Manuel <n5em@flash.net>
- 101) [9376] Re: The Equalizer
by FrConrad <FrConrad@aol.com>
- 102) [9377] Re: band plans
by Roger Braker <msebrakr@telepath.com>
- 103) [9378] Re: The Equalizer: ANTENNA Multipliers
by Ed Loranger <we6w@qsl.net>
- 104) [9379] Re: band plans
by Roger Braker <msebrakr@telepath.com>
- 105) [9380] WTB: Book "Amateur Radio Techniques" by P. Hawker, RSGB.
by "Vincent Ferme" <vferme@sprint.ca>
- 106) [9381] Re: The Equalizer: ANTENNA Multipliers
by Monte Stark <ku7y@dri.edu>
- 107) [9382] Re: band plans, upgrading, and mixed modes.
by Mike Martin <mmartin@netins.net>
- 108) [9383] wire/rope/yagi updated
by jdenison@morelr.com (JOEL DENISON)
- 109) [9384] Re: The Equalizer: ANTENNA Multipliers
by KC5TJA <kc5tja@topaz.axisinternet.com>
- 110) [9385] query
by "Jerry W. O'Dell" <psyodell@mail.provide.net>
- 111) [9386] [Fwd: Going to Smithsonian, NN3SI, Thursday April 30]
by Ed <edn4pk@VoyagerOnline.net>
- 112) [9387] Re: query
by Ed Loranger <we6w@qsl.net>
- 113) [9388] Re: query
by Joe Gervais <vole@primenet.com>
- 114) [9389] Re: query
by jim nestor <nestoji@home.com>
- 115) [9390] RE: Query

by Jeff Grudin <grudin@pacific.vdbs.com>
116) [9391] Re: The Equalizer
by "Tim, KD5CKP" <kd5ckp@bellsouth.net>
117) [9392] QRPTTF-N0UR
by "Lageson's" <LAGESON@worldnet.att.net>
118) [9393] Re: My address is
by "Lageson's" <LAGESON@worldnet.att.net>
119) [9394] RE: band plans
by "Hulbert, Nick" <nick.hulbert@lmco.com>
120) [9395] Re: query
by Ed Loranger <we6w@qsl.net>
121) [9396] question mark
by "Jerry W. O'Dell" <psyodell@mail.provide.net>
122) [9397] Re: query
by Monte Stark <ku7y@dri.edu>
123) [9398] Re: QRPTTF-N0UR
by ab5uacw@juno.com (Clifton W Sikes)
124) [9399] Re: question mark
by Monte Stark <ku7y@dri.edu>
125) [9400] Re: question mark
by KC5TJA <kc5tja@topaz.axisinternet.com>
126) [9401] WHEW!! STOP,STOP,STOP
by RangerSF5 <RangerSF5@aol.com>
127) [9402] Re: question mark
by Monte Stark <ku7y@dri.edu>
128) [9403] agenda
by ac5ez@webtv.net (Larry B)
129) [9404] Re: question mark (fwd)
by KC5TJA <kc5tja@topaz.axisinternet.com>
130) [9405] Give this person some credit
by RangerSF5 <RangerSF5@aol.com>
131) [9406] Re: question mark
by Ed <edn4pk@voyageronline.net>
132) [9407] Re: question mark
by KC5TJA <kc5tja@topaz.axisinternet.com>
133) [9408] Plans for Super Altoids Rig in QRPP
by ki6ds@dpol.k12.ca.us (Hendricks, Doug)
134) [9409] QRPP
by Ed Loranger <we6w@qsl.net>
135) [9410] Re: QRPTTF-QRP'ers STILL MISSING!
by INEMIA <w4ed@flash.net>

Date: Mon, 27 Apr 1998 18:58:46 EDT
From: RangerSF5 <RangerSF5@aol.com>
To: fielden@utkux.utcc.utk.edu, QRP-L@Lehigh.EDU
Subject: [9276] Re: RS 5 Band Antenna

Message-ID: <d4383c5b.35450da7@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

In a message dated 98-04-27 18:50:53 EDT, you write:

<< Subj: RS 5 Band Antenna
Date: 98-04-27 18:50:53 EDT
From: fielden@utkux.utcc.utk.edu (James Fielden)
Sender: owner-qrp-l@Lehigh.EDU
Reply-to: fielden@utkux.utcc.utk.edu
To: qrp-l@Lehigh.EDU (Low Power Amateur Radio Discussion)

Hello All, >>
My set up worked so well I sold it for \$20.00.
I pulled the wires apart all the way to the connector at the top.
I cut it for 40,30,20.17 and load 15 into 40
You should have spread the wires apart but I guess thats a problem inside.
Mine was close to 60 feet up
Bob
WA2HOQ

Date: Mon, 27 Apr 1998 18:02:29 -0500
From: "Steve Zumbrun" <zumbruns@mail.stlukes.org>
To: "QRP Reflector" <qrp-l@Lehigh.EDU>
Subject: [9277] FS: OHR 100a and 20 meter SST Sold
Message-ID: <01bd7230\$8d8bfb0\$1a9e2ace@default>
MIME-Version: 1.0
Content-Type: multipart/alternative;
boundary="-----_NextPart_000_020C_01BD7206.A4B5F3C0"

This is a multi-part message in MIME format.

-----_NextPart_000_020C_01BD7206.A4B5F3C0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

Above sold. Thanks for all the replies. Sorry about the attachments. =
73s, Steve

-----_NextPart_000_020C_01BD7206.A4B5F3C0
Content-Type: text/html;
charset="iso-8859-1"

Content-Transfer-Encoding: quoted-printable

<!DOCTYPE HTML PUBLIC "-//W3C//DTD W3 HTML//EN">

<HTML>

<HEAD>

<META content=3Dtext/html; charset=3Diso-8859-1 =

http-equiv=3DContent-Type>

<META content=3D'"MSHTML 4.71.1712.3"' name=3DGENERATOR>

</HEAD>

<BODY bgColor=3D#ffffff>

<DIV>Above sold. Thanks for all the =

replies. Sorry about the attachments. 73s,=20

Steve</DIV></BODY></HTML>

-----=_NextPart_000_020C_01BD7206.A4B5F3C0--

Date: Mon, 27 Apr 1998 16:56:42 -0500

From: ab5uacw@juno.com (Clifton W Sikes)

To: qrp-1@Lehigh.EDU

Subject: [9278] Oops! Red face here!!!!!!

Message-ID: <19980427.165644.6646.1.ab5uacw@juno.com>

My partner in QRPTTF was Dick, KK5X0, not R0. I hit the wrong key :-(
I'm gonna tie my hands to the chair so I don't mess up anymore. OK Dick?
We still had fun, even if I don't know who was there.

72,

Clif

You don't need to buy Internet access to use free Internet e-mail.

Get completely free e-mail from Juno at <http://www.juno.com>

Or call Juno at (800) 654-JUNO [654-5866]

Date: Mon, 27 Apr 1998 17:22:02 -0600 (MDT)

From: Paul Harden <pharden@aoc.nrao.edu>

To: qrp-1@Lehigh.EDU

Cc: GQRP-L List <gqrp-l@blacksheep.org>, arnie@radiohc.org
Subject: [9279] X-CLASS FLARE 4-27
Message-ID: <Pine.SOL.3.91.980427165119.11071B-100000@zia>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

An X-1 flare occurred awhile ago.
SUMMARY for those who want to delete the majority of this ...

The X-1 will elevate the solar flux, but due to a current coronal hole event and arriving shock wave of particle radiation from the X1 about wednesday, expect geomagnetic storming for much of this week.

```
> JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
> SDF NUMBER 117 ISSUED AT 2200Z ON 27 APR 1998

> IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 26/2100Z
> TO 27/2100Z: SOLAR ACTIVITY BECAME HIGH.
                ^^^^^^^^^^^^^^

> REGION 8210 (S17E43) PRODUCED AN X1/2B AT 27/0920Z WITH A STRONG TYPE IV
> AND 950 SFU BURST AT 2695 MHZ.
```

An X-class flare is a biggie, and while only a first category (X1), still a strong one that will effect us for several days. The position on the sun (S17E43) or just south of the solar equator and near the eastern limb means this area will be facing the earth for more than a week yet, capable of further activity.

> THIS MODERATE DURATION EVENT WAS ACCOMPANIED BY A
> CORONAL MORETON WAVE AND HALO CORONAL MASS EJECTION.

A Moreton wave are "ripples" observed on the solar surface propagating outward from the disturbance, must like the ripples from tossing a stone in a pond. It is evidence of a strong disturbance and strong magnetic fields. A halo coronal mass ejection are those cute photos you see of a massive solar flare that forms a "loop" emanating from the sun. The mass is ejected, but trapped in the magnetic field of the disturbance, which carries it back to the solar surface. Thus the "loop" is the ejected mass painting a picture of the closed magnetic field lines.

Furthermore, as the shock wave of the disturbance travels outward from the sun (shock wave containing heavy particles), it must also cross these magnetic field lines of the disturbance. The collision of this particle radiation with the magnetic field lines generates RF ... and this mechanism is called a "Type IV Burst." The farther out the shock wave travels and encounters magnetic field lines, the LOWER the frequency of the Type IV

bursts. An X-class flare *can* produce emissions into the HF spectrum.

Once this shock wave travels outward about 5 solar radii, it dissipates and the INITIAL solar/radio storm subsides.

> IB. SOLAR ACTIVITY FORECAST:

- > OBVIOUSLY, X-CLASS EVENTS ARE POSSIBLE BUT NOT CONSIDERED LIKELY DUE
- > TO THE SMALL AREAL COVERAGE OF THIS REGION IN WHITE LIGHT. CONTINUED
- > INCREASES IN MAGNETIC COMPLEXITY COULD MODIFY THIS FORECAST.

In other words, once the Moreton waves settle down from the X-class flare, will the overall magnetic structure decline, or grow? If it grows in size and complexity, this area may produce further activity.

> IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 26/2100Z TO 27/2100Z:

- > THE GEOMAGNETIC FIELD RANGED FROM UNSETTLED TO MINOR STORM LEVELS.
- > THIS DISTURBANCE APPEARS TO BE CAUSED BY AN EXTENSION OF THE SOUTHERN
- > POLAR CORONAL HOLE.

A coronal hole allows massive amounts of particle radiation to escape the sun, which if the trajectory is correct, will collide with the Earth's magnetic field about 3 days later, causing geomagnetic disturbances or storming. In this case, this coronal hole has been around about a week and is "sweeping" the earth, meaning we *are* in it's trajectory. Most of the HF absorption and poor conditions this weekend for the QRP TTF contest were a result of this coronal hole.

So ... this coronal hole is causing active to storming geomagnetic conditions and now we have a shock wave of particles from the X-1 flare headed our way for contact in the next 2-3 days. In short, mid-week will be awful!

> IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD SHOULD BE

- > UNSETTLED TO SLIGHTLY ACTIVE ON 28 APR AS THE END OF THE CORONAL
- > HOLE STREAM ROTATES PAST THE EARTH DURING THAT PERIOD. UNSETTLED TO
- > MINOR STORM CONDITIONS ARE PREDICTED FOR 29-30 APR IN RESPONSE TO
- > THE X1 FLARE AND HALO CME MENTIONED ABOVE.

> ISOLATED PERIODS OF MAJOR

- > STORMING ARE POSSIBLE AT HIGH LATITUDES. THE ARRIVAL TIME FOR THIS
- > DISTURBANCE IS SOMEWHAT ADVANCED FROM PREVIOUS HALO CMES DUE TO A
- > HIGH LAUNCH SPEED OBSERVED NEAR THE SUN.

Due to the disturbance being at S17 degrees, this means the particle radiation is very close to the ecliptic axis and the travel time to become a part of the plane that carries the solar wind is minimized, and thus will arrive here faster than a disturbance further away from the solar equator.

> IV. PENTICTON 10.7 CM FLUX

> OBSERVED 27 APR 091 <----- this could be much higher tomorrow
> PREDICTED 28 APR-30 APR 092/094/096 due to the X-1 flare
> 90 DAY MEAN 27 APR 104

> V. GEOMAGNETIC A INDICES

> OBSERVED AFR/AP 26 APR 021/031 <---- YUCK! (Official observatory lingo!)
 In a minor-moderate storm condition
 right now and could get much worse

Other than that ... have a nice day :-)

The solar flux should start rising as a result of the X-1. If conditions are favorable at your QTH (bands open, bursting static not too bad), right now is actually a good time to probe for DX as the flux builds, the E and F layers undergoing weird ionization and BEFORE the geomagnetic storm hits wednesday. Not a bad time for low power work right now.

72, Paul NA5N
National Radio Astronomy Observatory
Socorro, New Mexico

Date: Mon, 27 Apr 1998 18:30:53
From: Steven Weber <kd1jv@moose.ncia.net>
To: qrp-1@Lehigh.EDU
Subject: [9280] Re: band plans
Message-ID: <3.0.3.16.19980427183053.267fc1c0@mailhost.ncia.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

>I think all the talk about band plans is beside the point. There should
>not be FCC at all. At least that regulates the way they do. The first

Well, I think they justify it by calling it inter-state commerce, seeing that radio waves generally can cross state lines.

If your radio signal does not cross State lines, then there is good argument against FCC regulation. This was the position taken by "Pirate" FM band operators and I believe they won their case.

However, in general, the radio spectrum is a limited public resource and as such we have assigned the FCC to regulate it.

Sorry to interrupt this discussion, but I just I just got to tell you about

a phone call I just got...

Saturday I went and fixed a TV for an older gentleman here in town. Today he calls and says there is something wrong with his set. He said he's getting yesterdays shows today!!!! Turns out he just turned on "Wheel of Fortune" and was the same show he saw last night. I told he it must be thier mistake, but if he sees yesterdays news tonight, then maybe there is a problem....

I got to go...I can't think straight anymore.....

72,

Steve, KD1JV....In the White Mountains of New Hampshire

"Melt Solder"

Date: Mon, 27 Apr 1998 17:26:26 -0600
From: "Zoerb, Ron" <Zoerb.Ron@tci.com>
To: "'qrp-l_posting'" <qrp-l@Lehigh.EDU>
Subject: [9281] QPRTTF / QRPTTF
Message-ID: <D1C278DC1C1FD111BBD200805FCCAA055D5DCC@copland.tci.com>
MIME-Version: 1.0
Content-Type: text/plain

Two postings in one day is a record for me.

QPR = Quality Recreation Practice

QPR = Fun

So, you see, they are really the same thing. Can't type, can't read
and have trouble with Morse code, other wise I'm just fine.

I knew you would understand.

Thanks,

Ron de ki0ii

Date: Mon, 27 Apr 1998 23:47:46 +0000
From: Walt Amos <waltk8cv@ameritech.net>
To: fielden@utkux.utcc.utk.edu
Cc: Qrp-l List <qrp-l@Lehigh.EDU>
Subject: [9282] Re: RS 5 Band Antenna

Message-ID: <35450B12.B64D187F@ameritech.net>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Lets do some thinking..... :)

usually with a trap antenna you start at the highest frequency and work your way down but with this YOU ARE STUCK WITH A certain length. 40 should give a low swr on 15 so they are taken care of when you adjust for low swr on 40. Next I would work on 20, check swr at low end of band and work up, is it going down? if so that is a higher frequency so indicates the wire is too long. If the swr goes up as you tune higher the antenna is already too short so you will have to add some wire. I would measure all the bands I planed to operate on and then change 20 meters and check all band again and see how they changed. Ain't this fun.....not , but that is really the only way to do it!

Called " cut and try " :(

Someone mentioned 492 over frequency in MHz so you might try that formula..... might! Who knows?

Anyone out there with a better suggestion?

Walt k8cv

Date: Mon, 27 Apr 1998 19:45:00 -0400

From: "Robert Ricke" <MediaHouse@worldnet.att.net>

To: <qrp-l@Lehigh.EDU>

Message-ID: <000701bd7236\$7e314300\$99024f0c@default>

MIME-Version: 1.0

Content-Type: multipart/alternative;

boundary="-----_NextPart_000_0008_01BD7214.F71FA300"

This is a multi-part message in MIME format.

-----=_NextPart_000_0008_01BD7214.F71FA300

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: quoted-printable

set QRP-L

-----=_NextPart_000_0008_01BD7214.F71FA300
Content-Type: text/html;
charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

<!DOCTYPE HTML PUBLIC "-//W3C//DTD W3 HTML//EN">
<HTML>
<HEAD>

<META content=3Dtext/html; charset=3Diso-8859-1 =
http-equiv=3DContent-Type>
<META content=3D'"MSHTML 4.71.1712.3"' name=3DGENERATOR>
</HEAD>
<BODY bgColor=3D#ffffff>
<DIV>set QRP-L</DIV>
<DIV> </DIV></BODY></HTML>

-----=_NextPart_000_0008_01BD7214.F71FA300--

Date: Mon, 27 Apr 1998 20:05:20 -0400
From: "W. Kimura" <w.kimura@valley.net>
To: qrp-l@Lehigh.EDU
Subject: [9284] Re: qrp calling fre
Message-ID: <199804280005.UAA02620@orford>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I love this idea! Ever listen to a college debate contest?
Since we have the 20 wpm cw Extra requirement to use the bottom
of the cw bands, we should have a 200 wpm verbal SSB Extra
requirement to work the bottom of the SSB bands. Hi!

Kim Kimura N1MVU

At 04:08 PM 4/27/98 EDT, you wrote:
>In a message dated 98-04-27 15:53:03 EDT, you write:
>
><< Subj: qrp calling fre
> Date: 98-04-27 15:53:03 EDT
> From: ac5ez@webtv.net (Larry B)
> Sender: owner-qrp-l@Lehigh.EDU
> Reply-to: ac5ez@webtv.net
> To: qrp-l@Lehigh.EDU (Low Power Amateur Radio Discussion)
> >>

>Well here's my 2 bits worth.
>I hold a general at this time,however,I can hold a qso at 25 wpm and since I
>have no real love for SSB,give me a 30 wpm send and receive cw test.
>If I pass then let me operate in the cw extra band also.
>You have no code tech's so why not CW only extras??
>It's a two way street sometimes
>BOB
>WA2HOQ
>
>

Date: Mon, 27 Apr 1998 20:08:46 -0400
From: Thomas J McCuen <TMcCuen@compuserve.com>
To: "INTERNET:JGold@tntech.edu" <JGold@tntech.edu>, QRP-L Lehigh Server <qrp-
l@Lehigh.EDU>
Subject: [9285] SG2020
Message-ID: <199804272008_MC2-3B32-7980@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: quoted-printable
Content-Type: text/plain; charset=ISO-8859-1
Content-Disposition: inline

Message text written by INTERNET:JGold@tntech.edu
>After reading the comments on CW with regards to the 2020, I am seriousl=
y
thinking of cancelling my order (which has been a LONG standing order).
Since I primarily use CW, and like not to hear many signals all at once,
not
sure the 2020 would be of any use.<

Jeff,

Well , it does put a damper on things... BUT, .I'd really like to get a
little more info (others ops / units) before I jump.
There have been several testings by ops (as per SGC) if you saw my last
reply from SGC that I posted here... There's even a write up in a Europe
Ham maz (SGC said they were getting permission to reprint same).
It's tough to wait and wait and wait... then get a so-so first impression=
on the unit. Maybe this will spur SGC to get a few more reports out.
I (hopefully) cant believe that the 2020 would go out with major problems=
,
maybe the delays are due to this !?

Tom =

Date: Mon, 27 Apr 1998 17:15:57 -0700 (PDT)
From: Monte Stark <ku7y@dri.edu>
To: ARDUJENSKI <ARDUJENSKI@aol.com>
Cc: QRP-L <qrp-l@Lehigh.EDU>
Subject: [9286] Re: CALLING FREQUENCIES??
Message-ID: <Pine.SOL.3.96.980427170452.2794A-100000@vortex>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi Alan,

7040 and other "calling frequencies" used to be just that. You would find each other there and then move off for the qso.

Now people are too lazy to do that! They figure that they were there first and everyone else can wait until they are done!!

So in today's world, if you think of the calling frequencies as just an area to look for others of like minds you will have more fun! I start looking for QRPers from about 7035 to 7050.

It's just an area to look in instead of having to look all over the band.

Back in the ""OLD DAZS"" when 10m AM was the local band for chit chat in the evenings, you could get on one of the net frequencies, start a QSO and QSY off the net freq.

That was about the time the Benton Harbor Lunch Box's came on the market!

Ah yes, the good ole dazs..... even Nils didn't worry about the constitution.... he knew it would always be there! :-) But now it's the Badgers..... :-(

cul,

73, Ron, SOWP 5545M,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@sage.dri.edu.....Washoe Lake, Nevada....
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

Date: Mon, 27 Apr 1998 19:18:23 -0500
From: ac5ez@webtv.net (Larry B)
To: qrp-1@Lehigh.EDU
Subject: [9287] Mixed modes
Message-ID: <199804280018.RAA10949@mailtod-122.bryant.webtv.net>
Content-Type: TEXT/PLAIN; CHARSET=US-ASCII
Content-Transfer-Encoding: 7BIT
MIME-Version: 1.0 (WebTV)

The modes are mixed in Canada and I dont think they are calling cq gud
buddy, are they ?
Ac5ez

Date: Mon, 27 Apr 1998 21:24:29 -0400 (EDT)
From: cjayheff@erols.com (C. Jay Heffner)
To: qrp-1@Lehigh.EDU
Subject: [9288] Re: Mixed modes
Message-ID: <v01520d33b16aa65f2aa1@[207.172.109.110]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

>The modes are mixed in Canada and I dont think they are calling cq gud
>buddy, are they ?
>Ac5ez

No.....but then again, when I go down to 75 meters, I usually hear US calls
and not VEs (although there are a few - nobody is perfect). But all the
arguing asid, I personally feel that the bands are fine the way they are.
The RTTY ops stay up in the CW subband, and offer little/no interference to
us CW ops.....and of course there are no SSB ops in the CW subbands. (If
you don't count the forein broadcast stations on 40 meters! HI HI =^) The
first 100khz are not crowded, especially in the Extra portions (which is
why I am working on the upgrades) but there are still plenty of QSO's to
make. Why anyone would want to change it is beond me. (Exepet for the sake
of giving the SSB ops more room to talk - but with 10 meters comeing back,

and the HUGE amount of *unused* bandwidth on 10, there is plenty of room there.)

My \$.02 (or 3 or 4....:)

73/72,
Craig, KF4NYZ

Date: Mon, 27 Apr 1998 20:33:20 -0500
From: ac5ez@webtv.net (Larry B)
To: qrp-l@Lehigh.EDU
Subject: [9289] mixd mode
Message-ID: <199804280133.SAA10092@mailtod-121.bryant.webtv.net>
Content-Type: TEXT/PLAIN; CHARSET=US-ASCII
Content-Transfer-Encoding: 7BIT
MIME-Version: 1.0 (WebTV)

Jay, I agree. I dont really see any reason to change things around but nothing ever stays the same does it. I think there is plenty of room in the cw portions of the bands for all cw operators. Besides with fewer and fewer hams upgrading there will be even more room.
Larry Ac5ez

Date: Mon, 27 Apr 1998 21:32:33 -0400
From: "Wilford D. Lindsey" <70511.3041@compuserve.com>
To: //QRP-L Discussion Group <QRP-L@Lehigh.EDU>, "+Doc W.D. Lindsey/K0EVZ" <70511.3041@compuserve.com>
Subject: [9290] WTB: OHR-100A for 20 Metres
Message-ID: <199804272136_MC2-3B2B-BA60@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: 7bit
Content-Type: text/plain; charset=us-ascii
Content-Disposition: inline

Gang:

Looking for an OHR 100A for 20 Metres. If you have one for sale, please let me know. Sure hope to locate one. Thanks in advance :-).

72/73,

--Doc Lindsey/K0EVZ Rochester, MN--Home of the Mayo Clinic.
MWBC
519-16th Street SE
Rochester, MN 55904
507/289-5108 (eves)

Date: Mon, 27 Apr 1998 21:42:22 -0400 (EDT)
From: Mike Duke <K5xu@cris.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [9291] CQ ORLANDO
Message-ID: <Pine.SUN.3.96.980427213918.10289C-1000000@mariner.cris.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

If you're in Orlando, please e-mail me privately. I would like to have your assistance in coordinating a breakfast meeting on Sunday, July 5.

Thanks, and 73

Mike Duke, K5XU,
President,
Mississippi Council of the Blind

Date: Mon, 27 Apr 1998 20:54:39 -0600
From: "David Bixler" <DBIXLER@hs.seneca.k12.mo.us>
To: qrp-l@Lehigh.EDU
Subject: [9292] Ozark QRPTTF Report
Message-ID: <230E9FB5D05@hs.seneca.k12.mo.us>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

Yea, I know. Just one more QRPTTF report! Just hit the delete key now if you have had your fill of these yet. I, for one have found the reports exciting to read. Just think

about what Bruce (KL7JAF) had to go through to put AK/VY1 on the air. I can't even imagine the conditions of the roads in Alaska in the spring with nothing but miles and miles of nature. Just to put out a puny little bit of RF into the ether in hopes that someone is listening.

And here I sit in the garden spot of the Ozarks, just a measly 18 miles of paved road to a "three pointer". On Field Day Saturday, the sun was even shining and the rain held off till Sunday. The only exciting thing here were the chicken fights over in the next hollow.

Luke: Now jus what you think those fellas are up to down by the big stone monymment? I saw one of them aiming to shoot a slingshot load a' fishin sinkers up inta that ole Sycamore tree. Musta been aiming at one of those squirrels or somethin' up in that tree.

Zeke: Ya ain't seen the best part Luke. After that ole boy gave up trying to wing those there critters, that other fellow what says he come from down Seneca way up and whipped out a bow an arrow fixed up with a fishin' reel. Well, he musta been a lousy shot, cuz he plum missed that squirrel. He flung that arrow dragging that line right smack over the tippy top of that there tree and right into ole Billy Bob's stand of timber.

Luke: The only thing that I can figger out is that those ole boys musta be a'fishing for squirrels. They look kinda hard up and probably couldn't affort a hound dawg like ole Rex there. I'm a'guessin that they was fixin' to nail them a squirrel with that contrapsion and reel'm in screaming an a'kickin. Yes sir, they was fishin' fer squirrels.

Don K5AAR (ex KJ5MG), Joe KW5OK and I (W0CH) activated the three corners of MO, OK and KS just a short distance out of Joplin, MO. We managed to have a true interstate operation with two wire antennas running across the state lines and a vertical mounted exactly on one state line with radials running into all three states.

Don brought out a beautifully constructed totally home-brew setup, complete in a travel box with a fold-down door that made an operating table. One of the slickest set-ups I have seen. After erecting the antenna, he was on the air in minutes. He even tried out his new K5AAR callsign for the

first time for the event.

Joe set up using an Icom multibander and memory keyer which he used with good results on all bands from 80 to 10.

I used both a Kenwood TS-140 and a Wilderness/NorCal 40A. Was planning on trying all bands, but propagation was lousy at the start with most signals down in the power line noise. As the day progressed, conditions improved however.

One surprise that the little NC40A performed better than the rice box! It could hear signals clearer with less noise. I could work with one watt almost anyone I could hear. Really made believer out of me. You guys out there in NorCal land sure know how to design rigs!

Preliminary results in the W0CH log shows:

```
      275  QSO points
X   38  SPC's
X    4  Field location and battery power
X    3  Three state intersection
-----
125,400 points
```

Boy, that was fun! Thanks to the NorCal gang for a great event. Let's see if they can top this one next year.

Regardless of your score, everyone was a winner this time. The only losers were the folks who did not get on the air.

72

Dave

David Bixler W0CH
Seneca, MO
QRP: Minimum power, maximum fun!

Date: Mon, 27 Apr 1998 21:55:38 -0400 (EDT)
From: Bruce Muscolino <w6toy@erols.com>
To: JGold@tnitech.edu
Cc: QRP-L@Lehigh.EDU
Subject: [9293] Re: SG2020
Message-ID: <2.2.16.19980427214722.1b5fb02c@pop.erols.com>

Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

>
>After reading the comments on CW with regards to the 2020, I am seriously
>thinking of cancelling my order
>
>anyone else have any ideas on this subject?
>
Yup. While I have the greatest respect for Peter Zenker, I think even he pointed out that experience is based on a sample of one. Maybe he got a bad one?

I'd give SGC a chance -- they seem to be a pretty reputable company. I'm sure they will stand behind their product.

Also, they would not be the first company to optimize a transceiver for SSB -- Collins, and Ten Tec (Argonauts), for example come quickly to mind.

After all the salivating and bitching about delivery slips that i've seen on this list, now that the rigs are likely to start arriving, it seems like a pretty poor time to start a stampede in the opposite direction.

Maybe SGC has a "money back guarantee"?

73

BTW, just for form, I have no relationship to SGC nor am I on the waiting list for a radio.

Date: Mon, 27 Apr 1998 21:57:48 EDT
From: KB9RPD <KB9RPD@aol.com>
To: qrp-1@Lehigh.EDU
Subject: [9294] QRP club(s) in Indiana
Message-ID: <a93aa0a1.3545379d@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

I am back online after a mishap involving one of my feline friends at home (one of my cats chewed through my telephone line between my modem and my telephone downlink in my surge arrestor).

I have not had any luck finding any QRP clubs in Indiana (specifically the

central Indiana area).

How many people on QRP-L live in central Indiana? Does anyone know of a QRP club in the area? If not, is anyone interested in creating an informal group for elmering and QRP project assemblies?

Thanks

73, Ted KB9RPD

Date: Mon, 27 Apr 1998 19:07:23 -0700
From: gsurrency@juno.com (Gary L Surrency)
To: qrp-l@Lehigh.EDU
Subject: [9295] Elmer101 - SW40+; Y4 grounding and stuff
Message-ID: <19980427.190723.10390.2.gsurrency@juno.com>

In credit to NN1G, I too had reservations about this until I experimented and found it to be OK. Always correct to err on the side of caution, you know.

Dave mentioned that you should not ground the BFO crystal Y4, since it might alter the BFO offset and require changing some caps in the BFO circuit. Well, I *did* ground Y4 in mine, and I noticed practically no change in audio tone while tuned to a CW signal, or the monitored CW sidetone. So if you want to extend the grounding lead over to Y4 from the three crystals in the IF filter, try it and see if it makes any difference. I wanted the ground wire on all four crystals because it reinforces them mechanically, they are close to one another, and frankly - it just looks better. :-)

If you have some powerhouse AM broadcast stations nearby, you will definitely want to ground the 3 IF crystals, because you may get some interference unless you do. I could hear a local station at my QTH when I touched Y3 with a finger or metal tool. And I'm not very near any AM stations either.

BTW, in the schematic on Chuck's web page, C1 in the receiver input bandpass filter is shown as 150pf, but it is correctly shown in the SW40+ manual parts list and schematic as 47pf. Just a small nit, so ignore it.

It is a great little rig though, and contrary to what you might think,

mine will actually drive a small loudspeaker on strong stations. And that's with the supposedly low output op-amp, the NE5532 as used in the Norcal #8 Special!

Heck, my Wilderness 40A doesn't do as well with a loudspeaker, and it uses a LM386 audio chip! Hmmm. Well, the AGC does clamp the volume some, but even with the AGC control full off and the AF gain full on, the SW40+ still has more audio output!

It may be because the 40A uses a supply of only 8 volts regulated on the '386 so the AGC threshold is about right, where the SW40+ uses the full 13.8 v source on the '5532. Also, there is more gain in the *two* stages of the NE5532 than the *single* amplifier in the LM386 - which *is* configured for maximum gain with the 2.2uf cap from pins 1 to 8. But the NE5532 is not supposed to have the power output that the LM386 has, either.

I thought it was an interesting observation to make, and it surprised me as it may surprise you. The NE5532 is a pretty strong chip, for a dual op-amp.

It's an awfully cute little rig for so few parts and such small size. It just works FB, and is a ton of fun as well. Hope some of you didn't miss out on this project. I'm having a great time playing with this little rig! :-) :-)

72 and have fun.

Gary Surrency AB7MY

S&S TAC-1(40&80m) ARK30 38S OHR100 w/KC-2 HW-9 TS-570D NC40A @5w
QRP-L #571 Chandler, AZ (near Phoenix)Grid Square DM43BH

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com>
Or call Juno at (800) 654-JUNO [654-5866]

Date: Mon, 27 Apr 1998 22:21:11 -0400
From: "Ken Burrough" <ne0c@1st.net>
To: "QRP-L" <qrp-l@Lehigh.EDU>
Subject: [9296] Flame Suit
Message-ID: <00d901bd724c\$7458cea0\$82d633d1@ne0c.1st.net>
MIME-Version: 1.0
Content-Type: text/plain;

charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

This posting is in two parts.

Part one--Ron do you have an extra FLAME SUIT?

Part two--Sam at one time I sounded just like you do today. I complained to anyone that would listen about how hard it is learning all that was needed to upgrade. On top of all that was the CW requirement, after all I was going to be one of those that never had a CW qso. Why learn something I would never use? Then I received a QSL card from a ham that did listen to me. On that card he typed "Where excuses stop, achievements begin".

Have a good night.

Ken/ne0c---QRP-L 1524

Date: Mon, 27 Apr 1998 22:18:40 -0400
From: Ed Tanton <n4xy@att.net>
To: w6toy@erols.com
Cc: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [9297] Re: SG2020
Message-ID: <3.0.5.32.19980427221840.00b088e0@postoffice.worldnet.att.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hi All... I am on that waiting list, and I pretty much agree with Bruce... with the caveat that I REALLY hope this turns out to be a less-than-optimum radio or a location thing as opposed to a purely SSB-optimized radio. I used to own an ARGO II (NOT a Scout calling itself an ARGO but a REAL one) and it worked pretty well on CW. (It was sold ONLY when I realized I was operating my OMNI VI more on QRP CW than anything else.) A radio 'optimized' for SSB can still do a pretty good job on CW.

Maybe this one EURO report will prove to be something of an unusual event. I hope so... and now that the smoke is clearing a little, and I have had a little while to think about "next"... I figure I'll keep my order listed. If I'm wrong, I'll have a nice little portable SSB radio that needs some filtering (maybe my little SCAF) for CW... and if I'm right, then I'll still have a nice little portable radio that works as well either way... and could probably STILL use the SCAF!!!

I think it is premature to bail out, and I'm going to hang in there.

Ed Tanton N4XY EMAIL: n4xy@att.net
189 Pioneer Trail
Marietta, GA 30068-3466 TEL: (770)579-3933 V/MBX/FAX

INTERESTS:	QRP	BoatAnchors	Test Equipment	Photography
CW: 99.9%		Mercury Paddle # 0214		ORP to 150W: 95%

"Think you can, think you can't: either way you're right!" Henry Ford

Date: Mon, 27 Apr 1998 19:50:18 -0700
From: Vic Rosenthal <rakefet@rakefet.com>
To: w6toy@erols.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [9298] Re: SG2020
Message-ID: <354543EA.F7BDFB9F@rakefet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Bruce Muscolino wrote:

> Also, they would not be the first company to optimize a transceiver for SSB
> -- Collins, and Ten Tec (Argonauts), for example come quickly to mind.

Let me just repeat the answer I got when I asked Wayne or Eric (I don't remember which) about a particular CW-related feature in the Elec-craft K2:

"Sure we have that. We're both CW operators"

Vic, K2VC0

Date: Mon, 27 Apr 1998 19:40:22 -0700 (PDT)
From: KC5TJA <kc5tja@topaz.axisinternet.com>
To: qrp-l@Lehigh.EDU
Subject: [9299] SPICE, X-Windows, and Linux
Message-ID: <Pine.LNX.3.96.980427193849.15521C-100000@topaz.axisinternet.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Is there any SPICE package that would compile under Linux 2.0.29, gcc 2.7.2.1? In addition, is there any X interface to the said Spice package? Something where I can visibly see the voltages and currents so probed?

Thanks for the input anyone may have.

```
=====
KC5TJA/6      |                      -| TEAM DOLPHIN |-
DM13          |                      Samuel A. Falvo II
QRP-L #1447   |                      http://www.dolphin.openprojects.net
=====
```

Date: Mon, 27 Apr 1998 19:37:53 -0700 (PDT)
From: KC5TJA <kc5tja@topaz.axisinternet.com>
To: Ken Burrough <ne0c@1st.net>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [9300] Re: Flame Suit
Message-ID: <Pine.LNX.3.96.980427193029.15521B-100000@topaz.axisinternet.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Mon, 27 Apr 1998, Ken Burrough wrote:

> Part two--Sam at one time I sounded just like you do today. I complained to
> anyone that would listen about how hard it is learning all that was needed
> to upgrade. On top of all that was the CW requirment, after all I was going
> to be one of those that never had a CW qso. Why learn something I would
> never use? Then I received a QSL card from a ham that did listen to me. On
> that card he typed "Where excuses stop, achievements begin".

Except my predicament isn't an excuse -- it's reality. You see, I got this great idea of getting a job as a system administrator, and then started working on my own operating system to form the basis for a new company (actually, chronologically speaking, it's the other way around. However, promise for my company didn't start to look up until after I got the system administrators job). That's when all my free time disappeared without a trace.

The reason I was upset was because I felt accused of being a "sissy." Needless o say, I react harshly to name-calling due to my experience as sysop and system administrator.

```
=====
KC5TJA/6      |                      -| TEAM DOLPHIN |-
=====
```

DM13 |
QRP-L #1447 |

Samuel A. Falvo II
<http://www.dolphin.openprojects.net>

Date: Mon, 27 Apr 1998 22:31:35 -0300
From: "Prof.Arnaldo Coro Antich" <inforhc@mail.infocom.etecsa.cu>
To: <qrp-l@Lehigh.EDU>
Subject: [9301] Jaguey... solid state version of Islander
Message-ID: <01bd7245\$6245e6a0\$LocalHost@luis>
MIME-Version: 1.0
Content-Type: multipart/alternative;
 boundary="-----=_NextPart_000_000A_01BD722C.3CF8AEA0"

This is a multi-part message in MIME format.

-----=_NextPart_000_000A_01BD722C.3CF8AEA0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

For those interested in the solid state version of the " Islander" =
double sideband and CW
transceiver, the " Jaguey", here is the short description...
VFO... 3 NPN bipolar transistor, one higher gain and higher Ft for the =
oscillator, the other
two a standard pair buffer ...
Lack of FET's and MOSFET's made us use the high Ft 2SC373 sometimes =
locally
available, and the 2SC371 or 372's for the buffer... We have also used =
the russian
KT315 (sort of 2N2222) for this circuit , but needed to carefully =
select the oscillator
transistor.
The receiver is a band pass filter , with two tuned circuits (coils are =
taken from IF
stages of TV sets working at 4.5 mHz and very easily adapted for either =
3.7 or 7.1 mHz.)
The bandpass filter is followed by a cascode stage, with variable manual =
gain, that
feeds a homebrew double balanced mixer with whatever diodes are =
available.
The audio output of the DBM is coupled to a low noise NPN audio =
transistor and
then to an IC amp TBA210 locally available.
Receiver is WIDE ! But WORKS !

Good for daytime 40 meter use locally to talk among ourselves... But =
barely useable
at night on 40...passable on 80, because no high power broadcasts on the =
3.7
to 3.8 segment popular for local contacts in the evening.
That's it ... two transistors RF amp... 4 diodes (you select them, =
match them etc)
NO TOROIDS... 1 transistor low noise audio amp... 1 IC power amp
PLUS the 3 transistor VFO...
Yes... it is a DC receiver, direct conversion no doubt !
I'll describe the " Jaguey's " transmitter circuit in another posting to =
the list...
No attempts to make crystal VXO controlled rigs , which could be a lot =
easier in a sense
because crystals are not available locally... same holds for making =
ladder crystal
filters... as there is no local source of quartz crystals at the same =
frequency to make
the filters...
JAGUEY is the solid state version of the " Islander" double side band =
and CW vacuum
tube 40 or 80 meter band transceiver recently described here at the =
QRP-L , and
which generated a lot of interest according to the feedback that I =
received.
Arnie
C02KK
e-mail : inforhc@mail.infocom.etcscs.cu

-----=_NextPart_000_000A_01BD722C.3CF8AEA0
Content-Type: text/html;
charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

<!DOCTYPE HTML PUBLIC "-//W3C//DTD W3 HTML//EN">
<HTML>
<HEAD>

<META content=3Dtext/html; charset=3Diso-8859-1 =
http-equiv=3DContent-Type>
<META content=3D'"MSHTML 4.71.1712.3"' name=3DGENERATOR>
</HEAD>
<BODY bgColor=3D#ffffff>
<DIV>For those interested in the solid =
state version=20
of the " Islander" double sideband and CW</DIV>
<DIV>transceiver, =

the "20
 Jaguey", here is the short description...</DIV>
 <DIV>VF0... 3 NPN bipolar transistor, one higher gain and =
 higher Ft=20
 for the oscillator, the other </DIV>
 <DIV>two a standard pair buffer ... </DIV>
 <DIV>Lack of FET's and MOSFET's made us use the high Ft =
 2SC373=20
 sometimes locally </DIV>
 <DIV>available, and the 2SC371 or 372's for the buffer... =
 We have=20
 also used the russian </DIV>
 <DIV>KT315 (sort of 2N2222) for this circuit , but =
 needed to=20
 carefully select the oscillator </DIV>
 <DIV>transistor. </DIV>
 <DIV>The receiver is a band pass filter , with two tuned =
 circuits (=20
 coils are taken from IF </DIV>
 <DIV>stages of TV sets working at 4.5 mHz and very easily =
 adapted=20
 for either 3.7 or 7.1 mHz.) </DIV>
 <DIV>The bandpass filter is followed by a cascode stage, =
 with=20
 variable manual gain, that </DIV>
 <DIV>feeds a homebrew double balanced mixer with whatever =
 diodes=20
 are available. </DIV>
 <DIV>The audio output of the DBM is coupled to a low =
 noise NPN=20
 audio transistor and </DIV>
 <DIV>then to an IC amp TBA210 locally =
 available. </DIV>
 <DIV>Receiver is WIDE ! But </DIV>
 ! </DIV>
 <DIV>Good for daytime 40 meter use locally to talk among=20
 ourselves... But barely useable </DIV>
 <DIV>at night on 40...passable on 80, because no high =
 power=20
 broadcasts on the 3.7 </DIV>
 <DIV>to 3.8 segment popular for local contacts in the=20
 evening. </DIV>
 <DIV>That's it ... two transistors RF amp... 4 diodes (=
 you select=20
 them, match them etc) </DIV>
 <DIV>NO TOROIDS... 1 transistor low noise audio amp... 1 =
 IC power=20
 amp </DIV>

<DIV>PLUS the 3 transistor VF0... </DIV>
 <DIV>Yes... it is a DC receiver, direct conversion no =
 doubt=20
 ! </DIV>
 <DIV>I'll describe the " Jaguey's " transmitter =
 circuit=20
 in another posting to the list... </DIV>
 <DIV>No attempts to make crystal VX0 controlled rigs , =
 which could=20
 be a lot easier in a sense </DIV>
 <DIV>because crystals are not available locally... same =
 holds for=20
 making ladder crystal </DIV>
 <DIV>filters... as there is no local source of quartz =
 crystals at=20
 the same frequency to make </DIV>
 <DIV>the filters... </DIV>
 <DIV>JAGUEY is the solid state version of the " =
 Islander"=20
 double side band and CW vacuum </DIV>
 <DIV>tube 40 or 80 meter band transceiver recently =
 described here=20
 at the QRP-L , and </DIV>
 <DIV>which generated a lot of interest according to the =
 feedback=20
 that I received. </DIV>
 <DIV>Arnie </DIV>
 <DIV>C02KK </DIV>
 <DIV>e-mail : <A=20
 href=3D"mailto:inforhc@mail.infocom.etecsa.cu">inforhc@mail.infocom.etecsa=
 a.cu
 </DIV></BODY></HTML>

-----=_NextPart_000_000A_01BD722C.3CF8AEA0--

Date: Mon, 27 Apr 1998 19:45:37 -0700 (PDT)
 From: Doug Faunt N6TQS +1-510-655-8604 <faunt@netcom.com>
 To: nestoji@home.com
 Cc: qrp-l@Lehigh.EDU
 Subject: [9302] Re: [9195] UK licensing
 Message-ID: <199804280245.TAA09829@netcom3.netcom.com>

The license is good for a year, but can be renewed every year, for 15
 quid.

The callsign is yours for life, even if you don't keep it up.
You can let it lapse, and then get it back years later.

There's an endorsement on the license suggesting that you not be given
a license somewhere else on the basis of this one, since you didn't
pass the UK tests.

jim nestor <nestoji@home.com> said:

Probably in a few months, the FCC agreement with CEPT will be worked out
and you can also use your US call in Europe and South America. Guess it
depends on whether you want to stand out as a visitor (G3/WK8G) or blend in
like a local (M3XYZ).

Actually, it would be M0/WK8G. And your UK call will be M0BQ? or maybe
M0BR?. Interestingly enough, your UK license won't be any good in
former British possessions or Commonwealth countries, but will be good
in Estonia, for instance.

From the RSGB news:

SSL has informed the Society that as of last Wednesday morning, the
latest callsigns allocated were in the M0 Bravo Quebec -- and M1
Charlie Tango -- series, and Novice calls in the 2 0 Alfa Romeo --
and 2 1 Golf Oscar -- series.

South America will be a different agreement, actually. IARP, I think.
I haven't heard anything about this one in a while.
73, doug

And to the person who was complaining about the state of his QST: I'm
told you can get a clean one just by asking (none of mine have been
damaged), it's a LOT cheaper this way (and better for the
environment), and a bag won't solve all problems (I got my RadComm
today, in an intact bag, and it was pretty beat up).

If you think the only thing the ARRL does for you is produce a
magazine, you're out-of-touch with reality. And if you don't like
what they're doing, get involved with the organization and work to
change that, don't just opt out and complain.

doug

Date: Mon, 27 Apr 1998 21:52:03 -0500
From: John Sulllivan <kg0mz@southwind.net>
To: qrp-1@Lehigh.EDU

Subject: [9303] qrp-1 M0/KS
Message-ID: <35454453.55B878CC@southwind.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

We got a late start...equipment problems. We had to shut down early...severe weather. In between it was heaven except for the bugs, the wind, and the band condx.

I think we did right well for a couple of old guys. I worked mostly on 40 and Jack (W0FNQ) handled 20. I made one contact on 15 (AB7TK--thanks for your patience). The OHR-400, new final and all, decided not to work for whatever reason. I am glad I brought the Icom, just in case. Jack's GM-20 with that slick 10 turn pot worked fine.

Antennas were a 40 M dipole (thanks to Matt, Jack's son-in-law, we got it way up there in the trees--what an arm--what accuracy) and a SLV with a beautiful handmade coil by W0FNQ. The SLV exceeded everyone's expectations, and what a sight to see. All I can say is...wow!

The location was scouted out by Jack who lives in the area. We had originally planned a tri-state operation, but settled for this lovely park by a pond a few feet from the state line. Jack could not have picked a nicer setting.

So, how did we do?

220 Qs X 31 SPCs X 4 field location X 2 border multiplier = 54,560.

Not bad for a couple of old guys.

Date: Mon, 27 Apr 1998 19:56:58 -0700
From: "Dennis B. Dolle" <dolledb@cet.com>
To: <qrp-1@Lehigh.EDU>
Subject: [9304] FISTS URL
Message-ID: <001101bd7251\$7e4af140\$675a60ce@dolledb>
MIME-Version: 1.0
Content-Type: multipart/alternative;
boundary="-----_NextPart_000_000E_01BD7216.A33D6A40"

This is a multi-part message in MIME format.

-----_NextPart_000_000E_01BD7216.A33D6A40
Content-Type: text/plain;

charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

Fellow Masochists,
I'm looking for a URL for FISTS, the CW preservation society. I know =
there are many FISTS members on QRP-L so thought someone could provide. =
Thanks.

Dennis, NX5W

-----=_NextPart_000_000E_01BD7216.A33D6A40
Content-Type: text/html;
charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

<!DOCTYPE HTML PUBLIC "-//W3C//DTD W3 HTML//EN">
<HTML>
<HEAD>

<META content=3Dtext/html; charset=3Diso-8859-1 =
http-equiv=3DContent-Type>
<META content=3D'"MSHTML 4.72.2106.6"' name=3DGENERATOR>
</HEAD>

<BODY bgColor=3D#ffffff>
<DIV>Fellow Masochists,</DIV>
<DIV>I'm looking for a URL for FISTS, the =
CW=20
preservation society. I know there are many FISTS members on QRP-L =
so=20
thought someone could provide. Thanks.</DIV>
<DIV> </DIV>
<DIV>Dennis, NX5W</DIV>
<DIV> </DIV>
<DIV> </DIV></BODY></HTML>

-----=_NextPart_000_000E_01BD7216.A33D6A40--

Date: Mon, 27 Apr 1998 21:59:54 -0500
From: "ukii" <ukii@megsinet.net>
To: "qrp-l" <qrp-l@Lehigh.EDU>
Subject: [9305] Help,TTF for 2xQRP WAS?
Message-ID: <008c01bd7251\$ba68f500\$744e85d0@ns1.megsinet.net>

MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hello Gang.
Well, having ZERO contacts 2way qrp, I figured this TTF thing should give me a few states to confirm. Got a problem, are "we" (the qrp society of the planet) using the Border Op guys for ALL the states, or just the ONE which they were actually in? I realize that for the ARRL WAS that wouldn't count, for us, "close enough" is usually good enough...
So, if I want to confirm states, how do I know where the op actually was, maybe he stood on the other side of the border for that state I needed, JUST when he called me???

Anyone???

Thanks Much
john
n9ukx

Date: Mon, 27 Apr 1998 21:59:38 -0500 (CDT)
From: jdenison@morelr.com (JOEL DENISON)
To: qrp-l@Lehigh.EDU
Subject: [9306] BAND PLAN... SMAMMM!!!
Message-ID: <199804280259.VAA27709@m20.morelr.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

hIGH gANG:

Sum-ware in whoever's band plan there will be a place to operate cw or whatever and I will do just that... play dr. and operate where aproprate... :-)

So will u!!! regardless of how bad it may get...
so let's get about what this group is best at and start passing information on building / repairing/ ttf adventures... sumem wee have controll of ... :-)

Their now... everything is fixed... :-)
NOW, can anyone tell this un-knowledgeable cajun what the pattern of two loops side by side will be???

BTW /// I have a two element wire beam for forty meters up.... this one horizontal with only a driver and director and pointed toward alaska and upper us... getting very goode reports on the century club net... amazing some folks... maybe even a convert or two, who knows???

God Bless

joel wa5cvm, in maine, trying "to get out" :-)

God Bless
Joel

WA5CVM	Gentlemen don't Cry, They QSY :-)
Joel Denison	Gentle Lady (RC Sail Plane)(049 engine - start)
PO BOX 542	Vertical 3 elm Yagi 30mtr & 40mtr
Strong, Maine 04983	QRP ARCI 4066 NEW ENGLAND QRP 476 QRP-L 765
jdenison@morelr.com	AK/QRP 109

Date: Mon, 27 Apr 1998 23:25:11 EDT
From: MNHopkins <MNHopkins@aol.com>
To: Boatanchors@theporch.com
Cc: qrp-l@Lehigh.EDU
Subject: [9307] Tecraft/ICM paucity--WTB
Message-ID: <7dcfc3ad.35454c18@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

I roamed the undertable offerings at the Belton, Texas hamfest after a friendly soul took W5FRS and I from the scene of my old van's thrown rod to the front door, but no receive converters or such were seen. Alas, 'twas ever thus.

I know that stuff is out there. Tecraft, the converter and transmitter folks made several items from '53 to '63 and International Crystal (ICM) made just about everything at one time or another. I am carrying on a years long study of both companies and holding such equipment as I have been able to glean from garbage pails in trust -- an easy task in trust-friendly Texas.

I want to buy:

Things that say Tecraft or International Crystal on them, and, especially, literature related to same. The ICM catalog a prime example.

Condition is unimportant. I learn something new from EVERY Tecraft converter and or TX I see. They seem to have made no two the same way.

This stuff won't get any more valuable. In fact, it is not valuable at all. Folks just say "no one would want that" and leave it home or toss it. Hope you will give me a chance at it first.

In my study I have happened on information about many other types of receive converters, by the way, and some examples of same. The Ameco CN-series with the Nuvistors is the most practical user now, but the Tecraft Criterion is a little more upscale. I have literature on both plus the ICM FCV-1 and FCV-2, should anyone need same. I even had a Centimeg 432 converter, but WA5VJB, Kent Britain, the columnist for CQ VHF took it away from me to run in as a ringer at the next Cantral States VHF conference noise figure contest. It measures in the 4s, but hey, it came out so long ago that it outputs to 10 AND 11 meters.

73 de ab5L, michael in dallas, student of Tecraft and International (ICM) ham products and mementoes of Six Meters' Golden Age: 1957-58
Michael Hopkins
Box 226841
Dallas, TX 75222 MNHopkins@AOL.com

Date: Sun, 26 Apr 1998 19:38:55 -0600
From: alan dawkins <alk0frp@earthlink.net>
To: qrp-1@Lehigh.EDU
Subject: [9308] QRPTTF K0FRP
Message-ID: <3543E1AF.5DE1D591@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Gang

Home for the weekend from Miami FL. was on 15 min of the qrp-1 before the honey dooo's started.

made about 12 q's. Bands sounded poor as most reports confirmed.

Sorry did not make more q's but had to get things done at home. painted the patio and started to get ready for my #1 son's HS graduation/ 18 th birthday. May 23 rd K0FRP back yard in the shade of the monobanders.

Picnic , roast pig , lots of other food and good stuff. Come one come all. Details later. If all 2000 of you show up my neighborhoods in trouble.

Back in Ft Lauderdale tonight resting up.

Sounded as though you all had too much fun.

Maybe next year.

Al K0FRP

Date: Mon, 27 Apr 1998 20:57:22 -0700
From: Ron Giuntini <rong@slip.net>
To: Scott Bauer <ke3nv@erols.com>
Cc: QRP-L@Lehigh.EDU
Subject: [9309] Re: Ten Tec 1254, any comments??
Message-ID: <354553A2.5276@slip.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Scott, an interesting thing happened while I was building the 1254. I set the VCOs to 2.5 volts and when I checked the L0 output at the specified freqs I found that they were all off by about the same value. Instead of 45.000 I was getting 44.868 or so. The same on all freqs. By the same amount. So I called Tentec and the guy said as far as he knew the manual was correct...3.5 volts was right. So I reset the inductors to 3.5 and checked the L0 freqs. They were all almost right on...44.986 for instance...BUT...the thing only went up to 72.xxx MHz...Past 28 MHz it would not go any further...So I fiddled with the voltages on L2 and found that when L3 was set to 3.5 and L2 was set to 2.5 the thing tracked pretty well right up to 74.988 MHz at 30 MHz. So that is where it sits...Did you happen to look at the L0 outputs at specified freqs as was indicated in the manual at the end of the VCO section? I was told by the guy at Tentec that the freqs should be pretty much right on...The other thing that did not check out was that at 7MHZ it said I should see 4.5 volts but I saw over 6 instead...I am not too worried, but wonder why I have these discrepencies, and where the 2.5 volt information came from. Any ideas on this? As you might guess, I am now at the audio stage.

Ron

Date: Mon, 27 Apr 1998 20:56:09 -0800
From: "Jim (AL7FS), Nancy, Juliann & Issei" <larsennnc@alaska.net>
To: w5jay@alltel.net, qrp-l@Lehigh.EDU
Subject: [9310] Re: SST Info de AL7FS
Message-ID: <35456168.2B6EA892@alaska.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Try

<http://www.homeusers.prestel.co.uk/g3ycc/sst1.htm>

73, Jim, AL7FS

Jay Bromley wrote:

> I think there where a couple of web-sites that had info and mods on the
> SST.
> Could someone please point me in the right direction?
> Thanks and 73 de w5jay or just Jay..
>
> w5jay@alltel.net
> Jay Bromley
> Fort Smith, Ar.

Date: Mon, 27 Apr 1998 21:51:22 -0700
From: Bill Bennett N7DZ <wbennet@azstarnet.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [9311] K7NX QRP TTF web page
Message-ID: <3545604A.91CF825F@azstarnet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I finished a quickie web page. Might do some more later, with q-count,
etc. But for now if you want to see it:
<http://madi.ne.mediaone.net/~tiarc/1998/qrp.ttf>.

72, Bill N7DZ

Date: Mon, 27 Apr 1998 22:09:21 -0700
From: Bill Bennett N7DZ <wbennet@azstarnet.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [9312] Re: FISTS URL

Message-ID: <35456481.7B44E21C@azstarnet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Here's one. I don't know if it's "the one" or "official"

<http://n9nvv.qrp.com/~fists/>

Bill N7DZ

Date: Tue, 28 Apr 1998 02:45:31 GMT
From: n4js@pobox.com (John Sielke)
To: qrp-l@Lehigh.EDU
Subject: [9313] QRPTTF-Again
Message-ID: <354541cb.791464@mail.cyberenet.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: quoted-printable

I arrived in Delaware 1/2 hour early. I drove around to find a spot right on the border. Ended up in a parking lot, behind a tavern. Can't blame Murphy, all the equipment (QRP+, Island Keyer, Bugcatcher on roof) worked great. 15-DEAD, 20, DEAD started off on 40, first QSO 599..from another station on the DE/PA border!! Then back to 20, where I pilled out a few more QSOs, but it was tough. All reports were good, worked UT, but never heard the 4 corners guys. I know a few stations called that I couldn't copy, as the noise was a steady S-5. Nice, but cool, weather.=20

Yep, I'd do it again.

 =20
/ \ / \ / \ / \ John L. Sielke n4js@pobox.com n4js@qsl.net
(N)(4)(J)(S) NJ Grid:FM29LN <http://www.qsl.net/n4js>
/ _/_ _/_ _/_ NJ-QRP #57 QRP-L #884 QRP-ARCI ARQrp #86
G-QRP #9544 NorCal #1989 CQC AKQRP QCWA FISTS #2781

Date: Tue, 28 Apr 1998 01:40:49 EDT

From: ka7you@juno.com
To: TMcCuen@compuserve.com
Cc: qrp-1@Lehigh.EDU
Subject: [9314] Re: SG2020
Message-ID: <19980427.215210.12423.1.KA7YOU@juno.com>

FWIW,

The new (may '98) "Nuts'N'Volts" Mag has an article about SGC and their products. It has Gordon West's name on it. It just arrived today, and I haven't had time to read it, but I did notice a section on CW. It mentions the variable bandwidth from 2.7KHz down to 100 Hz, and the IF shift from +300Hz to -1000HZ in 100 Hz steps.

The article also stated "We found that the 2020 is set up for full break-in operation, and transmits when the key is closed." Duh!

Rod Johnson KA7YOU from CN97ak near Issaquah, Wa. 160M thru 1296 MHz (3456MHz still in the wings)

On Mon, 27 Apr 1998 20:08:46 -0400 Thomas J McCuen

<TMcCuen@compuserve.com> writes:

>Message text written by INTERNET:JGold@tntech.edu

>>After reading the comments on CW with regards to the 2020, I am

>seriously

>thinking of cancelling my order (which has been a LONG standing
>order).

>Since I primarily use CW, and like not to hear many signals all at
>once,

>not

>sure the 2020 would be of any use.<

>

>Jeff,

>

>Well , it does put a damper on things... BUT, .I'd really like to get

>a

>little more info (others ops / units) before I jump.

>There have been several testings by ops (as per SGC) if you saw my

>last

>reply from SGC that I posted here... There's even a write up in a

>Europe

>Ham maz (SGC said they were getting permission to reprint same).

>It's tough to wait and wait and wait... then get a so-so first

>impression

>on the unit. Maybe this will spur SGC to get a few more reports out.

>I (hopefully) cant believe that the 2020 would go out with major

>problems,

>maybe the delays are due to this !?

>

>Tom

>
>

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com>
Or call Juno at (800) 654-JUNO [654-5866]

Date: Mon, 27 Apr 1998 23:46:57 -0600 (MDT)
From: Paul Harden <p Harden@aoc.nrao.edu>
To: John Sullllivan <kg0mz@southwind.net>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [9315] Re: qrp-1@Lehigh.EDU
Message-ID: <Pine.SOL.3.91.980427233943.21774B-1000000@zia>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Mon, 27 Apr 1998, John Sullllivan wrote:

> We got a late start...equipment problems. We had to shut down
> early...severe weather. In between it was heaven except for the bugs,
> the wind, and the band condx.

> I think we did right well for a couple of old guys.

Dear couple of old guys,
I think your description above describes most QRP to the field type of
events as experienced by 95% of us ... at least if we'd be honest about
it. I accidently ripped the feedline off my inverted vee (emergency
repair), left the guy ropes at home, fumbled around for that PL259-BNC
adapter, etc. And did we mention the wind? I think if I drove up to the
site, plopped up the antenna and started working QSO's ... somehow I'd
be missing out on some of the fun -hi.

Sounds like you two had lots of fun, and that's the bottom line.

72, Paul NA5N

Date: Tue, 28 Apr 1998 01:48:51 EDT
From: RangerSF5 <RangerSF5@aol.com>
To: QRP-L@Lehigh.EDU
Subject: [9316] FIST URL
Message-ID: <fc09ab01.35456dc4@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

Hi Gang,
Last night I tried several times to get the FIST home page and had some problems with the page loading.
What I did was hit the reload button several times and that seems to give it a kick in the butt and get it going.
I sent links to several people already and if you guys/gals are reading this, it would be nice to get some feed back on how the link worked.
BTW AC6V has a real knock out site on the FIST page.
EVERYTHING from A--Z is there, the whole world, well almost but I found the mods page for my rig and was able to reset my CPU.
I have to return and sign the guest book.
He had to put half his life into that site.
Check it out
Bob
WA2HOQ

Date: Tue, 28 Apr 1998 01:50:14 -0400 (EDT)
From: Bob Patten <n4bp@bc.seflin.org>
To: Larry Cahoon <wd3p@juno.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [9317] Re: FL QSO Party - I ran too much power!
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Mon, 27 Apr 1998, Larry Cahoon wrote:

> Since I couldn't do much in QRPTTF I played in the FL QSO Party - mostly
> on Sunday. Besides I'm also a county hunter at heart. Antenna was a
Thanks for the Q's, Larry! Recall working you from several counties as
we mobiled through Florida.

73,

Bob Patten, N4BP

(0 0)

Plantation, FL

-----o00o-()-o00-----

E-Mail: n4bp@bc.seflin.org
Web Page: <http://wg104a.wh.uni-stuttgart.de/~n4bp>
Brass Pounder BBS: (954) 472-7715

Date: Mon, 27 Apr 1998 22:57:42 -0700 (MST)
From: Joe Gervais <vole@primenet.com>
To: ukii@megsinet.net
Cc: qrp-1@Lehigh.EDU
Subject: [9318] Re: Help, TTF for 2xQRP WAS?
Message-ID: <199804280557.WAA20329@usr08.primenet.com>

Howdy!

John (N9UKX) wrote:

>
> Well, having ZERO contacts 2way qrp, I figured this TTF thing
> should give me a few states to confirm. Got a problem, are "we"
> (the qrp society of the planet) using the Border Op guys for
> ALL the states, or just the ONE which they were actually in?
> I realize that for the ARRL WAS that wouldn't count

Not true, actually. As you recall from W7AQK's post last Friday, he and his friends had operated from Four Corners many years ago. ARRL's stance was that wherever the antenna was, that's the state you would QSL from. They ran their antenna through all four states simultaneously and QSL'd all four, quite happily.

(And ignoring the fact that (I believe) the ARRL doesn't have a 2-Way QRP WAS endorsement anyway.... ;-))

> So, if I want to confirm states, how do I know where the op
> actually was, maybe he stood on the other side of the border
> for that state I needed, JUST when he called me???

Decide what criteria is good enough for you and ask them when you QSL. Many border ops were smack on the physical border, others had antennas that crossed borders, still others were on the shore of an unreachable river border, but as close as any mortal could safely be. Every op will be upfront with you, all you need to do is decide what counts for *you*.

Some folks consider a QSO invalid if they missed a single digit of the RST. Others pencil in an educated guess. If you receive a QSL and the RST they wrote in is different from the one you received, what do you do? And more than one DX-chaser has asked his buddies, "Did you hear if he worked me?!?" on their way to DXCC Honor Roll. Your standards are up to you. It's your piece of paper, nobody else's.

Happy Hamming!

Cheers de AB7TT,

-Joe, vole@primenet.com, NorCal Contest Manager,
NorCal QRP, AZ ScQRPions, and many other fine,
furry groups....

"It's hard to be unhappy when you have warm feet."
- Dave Rose, Fellow Snow Camper

Date: Tue, 28 Apr 1998 02:14:57 EDT
From: DYARNES <DYARNES@aol.com>
To: JGold@tntech.edu, qrp-1@Lehigh.EDU
Subject: [9319] Re: SG2020
Message-ID: <79eb48a0.354573e2@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

In a message dated 4/27/98 1:33:02 PM US Mountain Standard Time,
JGold@tntech.edu writes:

<< After reading the comments on CW with regards to the 2020, I am seriously thinking of cancelling my order (which has been a LONG standing order). Since I primarily use CW, and like not to hear many signals all at once, not sure the 2020 would be of any use.

anyone else have any ideas on this subject?

thanks
72 >>

I feel certain that Peter reported exactly what he observed. HOWEVER, I find it very difficult to believe that SGC would knowingly send such an obviously objectionable rig to an experienced operator like Peter. I strongly suspect

the rig is defective, probably from shipping, but can't be sure. If not, then the SGC gang must have rocks in their heads!

You might want to wait for follow up reports before cancelling your order.

Personally, I have not had much interest in the 2020. I'm waiting for the K-2!

Good luck,

72 de David W7AQK

Date: Tue, 28 Apr 1998 00:38:55 -0700
From: Conrad <radman@best.com>
To: "'qrp-1@Lehigh.EDU'" <qrp-1@Lehigh.EDU>
Subject: [9320] SG-2020: more reviews
Message-ID: <01BD723E.07EDB680@radman.vip.best.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: quoted-printable

There are a couple of reviews now in print on the SG-2020. Sources = follow:

"Nuts & Volts" May, '98 - "Pint-Sized SSB Offers Great Performance" by = Gordon West - WB6NOA. If you don't subscribe and want a single copy = contact "Nuts & Volts" at:=20

Phone: 909-371-8497, email: editor@nutsvolts.com URL: = <http://www.nutsvolts.com>
\$5.00 Postpaid will get you the May copy - great reading material in = general.

"Ham Radio Today" - UK publication - did a "sneak preview" of the SGC. I = may be able to post full text to this list on Tues. (I'm anticipating = copyright release from SGC.) Standard disclaimers.....

More news as it happens,

72 - Conrad Weiss - nn6cw

Date: Tue, 28 Apr 1998 01:42:40 -0600 (MDT)
From: Paul Harden <pharden@aoc.nrao.edu>
To: DYARNES <DYARNES@aol.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [9321] Re: SG2020
Message-ID: <Pine.SOL.3.91.980428010526.27256B-100000@zia>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Tue, 28 Apr 1998, DYARNES wrote:

> I feel certain that Peter reported exactly what he observed. HOWEVER, I find
> it very difficult to believe that SGC would knowingly send such an obviously
> objectionable rig to an experienced operator like Peter. I strongly suspect
> the rig is defective, probably from shipping, but can't be sure. If not, then
> the SGC gang must have rocks in their heads!

Statistically, there are really only two scenarios:

1. The rig is defective (possibly through shipping)
2. The rig is defective by design

What I fear is Peter is experiencing the rig "as designed." Probably due to little attention paid to the CW aspects. Somehow, all this yacking on the other ham newsgroups has convinced everyone that CW is obsolete and hardly anyone uses it anymore. When the QRP+ first came out, problems in the AGC, poor QSK, a lousy internal keyer and the inability to use an external keyer above 25 wpm due to timing delays did NOT make the QRP+ a very good CW rig. It took a bunch of phone calls and letters to Bruce at Index before he finally addressed these problems and blasted a new PROM. Not because he wasn't a good engineer, but because his ham experience had virtually no CW in it (that's what he told us at Dayton). Like most rigs, the SGC2020 will probably end up with some OPTIONAL plug-in for a mere \$79 for a CW filter, as few people these days include any CW filtering. And that's probably exactly what Peter was experiencing ... a 2.7KHz wide filter, just great for SSB!

As someone pointed out, at least the K-2 is being designed by a couple of known CW ops and QRPers who will ensure the CW characteristics are well in place.

But does anyone REALLY know the status of the SGC2020? There was announcement that Bruce Franklin was helping with the design; SGC was taking over the Index inventory and repair, etc., then another brief announcement that Bruce was no longer associated with SGC, QRP+ service seems to be gone, and constant delays in shipping this thing. What I'm saying is it seems SGC needs to become far more responsive to the ham community than they have been. For those of you who have orders with SGC, you should call and inquire on these things. They have your money, they should have some

obligation to respond. Is proper CW filtering included, or is it an option? Has the CW filter been designed/built yet? Has anyone other than in Germany received one of these things? (That in itself seems kinda strange to me). This may be the perfect time to submit some feedback. We're all sitting back assuming this will be the perfect rig when it's finally done ... but by whose definition? If you have an order for one, you should give them some feedback now if you want to be happy with your investment. But as a minimum, where are the reports from the other rigs they've sent out?

Hopefully Peter's rig was simply defective, but I also assume he looked over it fairly carefully before expressing his opinion.

So again ... is anyone associated with SGC on this list? We need to hear from you.

72, Paul NA5N

Date: Tue, 28 Apr 1998 00:56:24 -0700
From: Tomer <t-ranch@humboldt1.com>
To: qrp-l@Lehigh.EDU
Subject: [9322] intro & qrp ttf
Message-ID: <3.0.5.32.19980428005624.00799260@humboldt1.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hi,

This is my first contribution to the list, so a brief introduction: Age 49; home is near Eureka, CA. Work as a cad designer in a structural engineering firm. Licensed for 15 years; original call was KB6AEU, then N6KLJ and now W6RA.

I was only moderately interested in qrp and portable ham operating until I attended Pacificon '97. There, I quickly noticed all these people in yellow t-shirts who really seemed "into it". "These guys are awesome" I thought, and attended most of the seminars and became hooked. I really liked all the high-quality home brewing and the great new transceiver designs. Upon returning home KF6AAI lent me his MFJ-2020, and I quickly found out how easy yet rewarding it was to have qso's with only a few watts. Currently I am putting together an OHR kit for 30 mtrs.

QRP TTF was lots of fun. Left home at 4:30 AM and headed to the nearest border with whatever equipment I could find that might be useful. I was joined by locals N6DMF and KE6SLS, and we finalized our plans over breakfast in Crescent City. There we headed northeast on hiway 199 to Patrick Creek, where we left the highway and headed north for a real wilderness border experience at approx. 123 deg 47' west longitude and 42 deg 00' north latitude. No gps, monuments or markers of any kind but we knew we were close. My partners were a big help in setting up. We plopped a Butternut HF-6v into an RG-8 cable spool, and set concrete blocks on the spool to stabilize the antenna. 6 40 meter radials & 6 20 meter radials were attached as I figured those would be the best bands. The antenna wasn't working well so we disassembled it to discover it had corroded connections. Finally got on the air an hour late. To my dismay HF conditions seemed really poor, but there were lots of qrp operations on the air. I was disappointed in not being able to work the northeast US. I heard a few stations from there but they were weak copy and there was a suprising amount of contest qrm. By early afternoon we were joined by KE6WLI. By then my cohorts had become bored with radio and began firing a 9mm and an AK47 into a nearby pine tree. Now there was some qrn! I had to forgive them, they're just Humboldt County boys. Next year, qrp club members only!

Thanks to all those who gave me a qso during 'TTF. I made 69 qso's and 25 spc's. I used the MFJ 2020 on 20 mtrs and my Yaesu FT-890 on 40.

73, Randy W6RA

Date: Tue, 28 Apr 1998 01:14:23 -0700
From: Conrad <radman@best.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [9323] Index QRP+ Support...
Message-ID: <01BD7242.FBBFC920@radman.vip.best.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: quoted-printable

I had long phone chat today with Bruce Franklin, designer of the Index = Labs QRP+ and, he asked that I pass along to the group the following = info regarding customer support of the now-discontinued Index Labs QRP+ = rigs:

Please contact: Stan Yarema / K7SY - Seattle, WA. Phone: 206-285-8941 =
for support/parts, etc. (Sorry, I don't have an email for Stan.) Stan - =
per Bruce Franklin - has entirely taken over the support of the Index =
Labs QRP+. =20

Index Labs, with Bruce Franklin at the helm, is still going strong but, =
they're on a completely new mission. I'll post that story later today. =
(It's interesting!)

72 - Conrad Weiss - NN6CW =20

Date: Tue, 28 Apr 1998 04:54:57 -0300
From: "Prof.Arnaldo Coro Antich" <inforhc@mail.infocom.etcscsa.cu>
To: <qrp-L@Lehigh.EDU>
Subject: [9324] "Jaguey DSB transceiver "
Message-ID: <01bd727a\$f05ac8e0\$07199e03@luis>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Due to the interest generated by the posting about the " Jaguey " DSB QRP
transceiver, I will add the transmitter part of it as soon as possible.
Also, as suggested by Paul NA5N, the postings will now go in ASCII instead
of
in HTML.

The " Jaguey " is NOT a kit... it is a circuit design that has evolved over
the

years to provide cuban radio amateurs with an easy to build, low cost,
DSB and CW single band rig that is all solid state.

The transmitter runs between 1 and 5 watts into a BD137 NPN transistor or
something similar.

It operates from a regulated 12 volt supply of from a car battery.

As I stated in my earlier posting about the receiver, it is WIDE, as it
does

not have any kind of filter whatsoever... The receiver is , of course ,
direct
conversion...

I can provide a detailed circuit diagram with the parts values, but no coil
winding data, as the coil-capacitor combinations for the tuned circuits
are very much dependent on what we have at hand.

For example the input double tuned bandpass circuit is usually made with
IF transformers from old TV sets. Those are tuned to 4.5 mHz, so it is

easy to either add capacitance and a link winding to make them work on the 3.7 to 3.8 segment of 80 meters, or rewind them for the 7.0 to 7.2 mHz segment of 40 meters.

Thanks for your interest.

And to those who worked C04BM and C06XN, they pass along the best 72's and want YOU ALL to know how much they enjoyed the QRP TTF contest

Arnie

C02KK

e-mail : inforhc@mail.infocom.etecsa.cu

phone res: 53-7-301794

Date: Tue, 28 Apr 1998 05:15:52 -0300
From: "Prof.Arnaldo Coro Antich" <inforhc@mail.infocom.etecsa.cu>
To: <qrp-1@Lehigh.EDU>
Subject: [9325] C04BM's QSL info
Message-ID: <01bd727d\$dc4304a0\$07199e03@luis>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

C04BM, Crescencio Lopez, asked me to post this on the qrp-1

C04BM QSL information is:

two choices...

via his manager

CT1ESO

or to his callbook address at the Isla de la Juventud

Actually there is a third route , via

C04BM

P.O. Box 1

Havana, Cuba

10100

C04BM was running 5 watts into a 20 meter dipole antenna.

His location is very near the Caribbean sea, his city Nueva Gerona is a coastal town.

His local noise level is usually very low and he is certainly the kind of person gifted for CW .

He has a homebrew 7 IC keyer and homebrew paddles, plus a nice ear and a good fist !

He wants to receive information on all , he said just that, ALL CW contests

!

So if you mail him a QSL, maybe it would be nice to add a list of the upcoming contests.. or better yet...

send them to me via e-mail, and I will relay to him via our long range 2 meter

repeater that reaches from CUBA (the main island) to Isla de la Juventud about 65 miles to the south...

72 and enjoy the upcoming " soldering iron week " as low solar flux, solar flares, geomagnetic storms, absorption events , PCA's etc, make propagation of HF so poor as to make it worth soldering a lot on our new projects !!!

Arnie

C02KK

Arnie Coro C02KK

Host of Dxers Unlimited

Radio Havana Cuba

e-mail : inforhc@mail.infocom.etecsa.cu

phone: 53-7-814243

phone res: 53-7-301794

Postal address

Arnie Coro

Dxers Unlimited

Radio Havana Cuba

Po Box 6240

Havana

CUBA 10600

Date: Tue, 28 Apr 1998 11:09:28 +0200

From: "Peter Zenker DL2FI" <Peter_DL2FI@csi.com>

To: "'Internet Liste via PoP3'" <qrp-l@Lehigh.EDU>

Subject: [9326] More from the SG 2020

Message-ID: <000901bd7286\$1ad51c00\$16d374a7@ZENKERPN.perkin-elmer.com>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Hello QRP fellows,

At first I would like to say again: My impressions of the SGC SG2020 are founded only on ONE particular rig, I could not approve the tests with an other one. But on the other hand, this one rig has been sent by SGC to their German dealer and has been SOLD to a CUSTOMER.

I informed the dealer at monday morning 10.00AM, the first possible time to get him. He said, he never ever tried an SG2020 by himself :-((. He promised to organize a contact to SGC engineering as soon as possible. I hope to meet them at least in Dayton. The reason to sent this first impressions to the list was, to WAKE THEM UP, NOT to to push anyone to cancel his open order. Everyone who is interested in this rig should wait until they have shown us SOME rigs with good results. If the problems I found are not only problems of my single rig, I believe that no CW OP will have problems getting back his money because MY TEST RIG is absolute useless in CW on a crowded band.

What I found out the last two days:

(ALL FOLLOWING THINGS I FOUND ON ONE RIG, RESULTS ARE NOT APPROVED BY TESTING ANOTHER SG2020) these are only practical results, no measurements in the moment.

CW

1. Send/Receive is done by a noisy relais
2. It is NOT QSK, but faster then semi bk
3. Nearby CW stn (+-2kHz) are heared as CHRRRR CHRRR CHRRR signals in morse rhythm using broad IF filters
4. Nearby CW signals blank out the signal you are tuned to. It is impossible to read the wanted signal.
5. Sidetone is "plopping"
6. Keying sidetone is overlapped by a terrible click in the headphone.
7. I could not find a CW signal showing more then S6 on the SG2020 S-Meter (Same signals on my FT1000 show 599 +10dB) S-meter seemes to be locked, it is VERY slow allthough they use LEDs
8. On an empty band e.g.14 MHz after/during going down CW signs sound VERY good.
9. All QSO partners said, the TX sounds very good, signals are sharp and clean.
10. Received signals are within the filter bandwidth down to 200 hz, but absolut out of range using 100 hz filter.

SSB

1. SSB receive sounds very good. Clear and sharp modulation.
2. Strong nearby signals overload the receiver, if i listen to a small signal, big signals disturb very much
3. Even small CW nearby signals disturb SSB receiving very much.
4. TX signal is reported by other stn as quite good but a little bit "grumbling" modulation. Modulation should be higher in frequency and sharper.
5. S-Meter reading is fast, not exact but it shows signals in the S9++ range

A look into the schematics shows, that the IF part is very similar to the QRP++. Some of the problems i found receiving CW are reported as problems of the QRP++ as well but not as bad.

Again: this is ONE rig. I am sure, the SGC engineering will find a solution. Hopefully they send me a new rig, otherwise my friend DL7ASD who bought this one will not be happy and has to use his old Serialnumber 250 QRP+

72 de Peter, DL2FI

using QRP+ (SN500), SIERRA, NorCal40A, TP20, WM75, 4040, Hw7, HW8, HW9, SEG15, M160T, GQ40, GQ20 + some 20 other homebrew rigs and YAESU FT1000 as the standard control txvr

Date: Tue, 28 Apr 1998 07:36:09 EDT
From: aa5yx@juno.com (John Harper AA5YX/2)
To: brian@iquest.net
Cc: qrp-l@Lehigh.EDU
Subject: [9327] Re: New QRP wanna be
Message-ID: <19980428.073511.4655.2.AA5YX@juno.com>

On Mon, 27 Apr 1998 10:04:46 -0700 Brian Murrey <brian@iquest.net> writes:

This is what I want. I want a small self contained QRP CW
>tranceiver that I can take camping, or hiking, or fishing. I'd like to
>have 3-5 watts of output power. I'll need a small antenna tuner
>because
>I'll probably be running through a random long wire or any other field
>day type of thrown together antenna. At times I get the opportunity to
>travel to various parts of the country and I'd like to take the whole
>mess with me so that I can work it from the hotel or hotel parking
>lot.

Hello Brian,

There are a several rigs out there that are capable of providing you with the the features you mentioned. I've been experimenting with this type of operation lately with a few of them: Norcal/Wilderness 40A, OHR-100A and a borrowed MFJ QRP rig. Based on several excursions to the field with these rigs, here are a couple things I've found to be important:

1. Ease of repair/alignment - Simplicity is important. You may need (or want) to re-align the radio in the field. On which of the rigs you are considering is this easiest to do? Is it easy to open the rig with minimal tools? Are the adjustable caps/pots easily accessible? Is the procedure easy? Is test equipment required?

2. Durability - The more knobs, buttons or switches on the front panel, the more the potential for problems. This is especially true for backpacking the radio. Even if the rig is well-packed, a few hours of walking in the woods will jostle things in your pack enough so that if there is something to rub against the controls on the front panel of the rig, that "something" will find the front panel.

I don't yet have a Wilderness SST or a Green Mountain rig although I plan to remedy that soon. So far, the clear choice for me is the 40A. It really was designed for this type of operation. The other rigs are very nice but their additional features come at a price, IMHO, and that price is decreased reliability due to the higher complexity that these features add. I *like* a variable bandwidth filter, but in the field I don't want the added potential for a problem, the increased weight or the additional front-panel control that comes with it.

If I need to align it, I only need a tweaker and my ears. I shrink-Xeroxed the alignment procedure down to a size small enough to fit inside the 40A, along with a shortened tweaker and I feel like I'm ready to go just about anywhere with this rig.

>Grounding, how do you guys in the wilds ground your rigs for improptu
>QSO'ing?

>

I don't, but I use an inverted V. If you use a random wire you will need an RF ground of some sort, preferably 3 or 4 -wave radials. At least *consider* a dipole or inverted V. This frees you from needing to untangle and then string out radials and also from having to lug another box (tuner) in your backpack.

Good luck and 73,

John Harper AA5YX/2 (ex: KA5BBL, KI5OW, VQ9BL)
TenTec Century 21, HW-9, NorCal 40A, OHR-100A/20m, 38S
NJ-QRP 148
<http://home.att.net/~j..harper>

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com>
Or call Juno at (800) 654-JUNO [654-5866]

Date: Tue, 28 Apr 1998 07:36:09 EDT
From: aa5yx@juno.com (John Harper AA5YX/2)
To: qrp-1@Lehigh.EDU
Subject: [9328] Did someone say Haiku?
Message-ID: <19980428.073511.4655.3.AA5YX@juno.com>

QRN greets me
Headphones filled with noisy hash
Why dost thou mock me?

And a TTF Limerick:

I once filled a tree up with wire
And didn't get permission prior.
The ranger to me
Asks, "An inverted V?
"You really should put it up higher."

John Harper AA5YX/2 (ex: KA5BBL, KI5OW, VQ9BL)
TenTec Century 21, HW-9, NorCal 40A, OHR-100A/20m, 38S
NJ-QRP 148
<http://home.att.net/~j..harper>

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com>
Or call Juno at (800) 654-JUNO [654-5866]

Date: Tue, 28 Apr 1998 08:24:14 -0400
From: Peter_Simpson@ne.3com.com
To: qrp-1@Lehigh.EDU
Cc: vole@primenet.com
Subject: [9329] QRPTTF Log - KA1AXY
Message-ID: <852565F4.0042834E.00@usboxmta.ne.3com.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII

I operated from the junction of MA/CT/RI, near East Thompson, CT. Parked in East Thompson, then followed an abandoned railbed to a dirt bike trail (about 3/4 mile, I'd guess) to the monument.

Antenna was an inverted vee in a tree, one end in RI, one end in CT and the apex and operating position in MA. Tuner was an MFJ 941 fed by a Wilderness SST running 2W at 7.040+/- MHz.

Photos when my friend gets his film developed. QSLs will be sent unless you indicate to me that you don't want one. No SASE required (wait till you see the artwork :-)

Zulu Time	Call	RST Sent*	RST Rec'd	SPC
1614	KD4PUP	539	339	MD
1624	WA8RXI	599	589	MI
1643	VE3QDR	599	559	ON
1658	K4XY	599	599	VA
1714	W1RFI	579	339	DE
1722	N7ANT	599	599	VA
1734	NQ2RP	579	579	NY
1737	KC8JIE	579	579	??
1744	W3KC	559	559	MD
1758	N4ROA	579	569	VA

*Some of these are guesses because I forgot to log what I sent. What can I say? The badgers distracted me. I had fun anyway.

Score: 10 QSOs * 5 pts/ea * 4 (field) * 3 (borders) = 600 !

Usual honesty disclaimers, etc. Thanks to NorCal and Joe for organizing the contest, and to all the stations I worked for putting up with my terrible sending and copying. I think capacitive paddles are a mistake in cool weather.

72,
Peter, KA1AXY

Date: Tue, 28 Apr 1998 08:08:19 -0400
From: "Harry Hurst" <hhurst@delaware.infi.net>
To: <qrp-l@Lehigh.EDU>
Subject: [9330] band plans
Message-ID: <199804281248.IAA15743@fh101.infi.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Can we drop the discussion of band plans and ARRL actions?
We are very close to iginiting a usenet like flame war. Let's leave the
political discussions to rec.radio.amateur.homebrew!

QRP guys, QRP!

Amateur Radio - WA3PTG
QRP-L #1464
Wilmington DE

Date: Tue, 28 Apr 1998 07:53:55 -0500 (CDT)
From: "Phillips Richard" <phillips@msoe.edu>
To: Alan Kaul W6RCL <alan.kaul@worldnet.att.net>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [9331] Re: CT LOGGING AND QRPTTF
Message-ID: <Pine.OSF.3.96.980428074616.9420A-100000@torres.msoe.edu>
Mime-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Try Log-EQF, it runs in dos on any pc type machine. There is a shareware
version available on: <http://itis.net/eqf/>
The paid for version keeps track of WAS, DXCC, etc. Some options are:
interfacing with cd rom type call books, rig control, packet terminal
(dx cluster, etc.) cw keyboard. Sounds like a lot but you use what you
need. I use it for all my logging chores. There is also a compact version
call Log-EQF Junior.
73 Rich, AA9L

Richard Phillips
Lab Technician

Milwaukee School of Engineering
414-277-7388, phillips@msoe.edu

Date: Tue, 28 Apr 1998 12:35:45 +0200
From: "Peter Zenker DL2FI" <Peter_DL2FI@csi.com>
To: <pharden@aoc.nrao.edu>, "'Internet Liste via PoP3'" <qrp-1@Lehigh.EDU>
Subject: [9332] RE: SG2020
Message-ID: <000a01bd72a5\$010643c0\$16d374a7@ZENKERPN.perkin-elmer.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

> -----Original Message-----
> From: owner-qrp-1@Lehigh.EDU
> [mailto:owner-qrp-1@Lehigh.EDU]On Behalf Of
> Paul Harden
> Sent: Dienstag, 28. April 1998 09:43
> To: Low Power Amateur Radio Discussion
> Subject: Re: SG2020
>
>
>
> Statistically, there are really only two scenarios:
> 1. The rig is defective (possibly through shipping)
> 2. The rig is defective by design

Exactly. What me makes nervous is the fact, that in the schematics you can see that 1. Signal Generator and 2nd the PA is new designed but all the other stuff is looking very similar to QRP+ / QRP++

Larry, W1HUE in his QRP++ reports on this list and in Quarterly (I never had a ++, i only have a +)wrote that the high gain two step IF Amplifier results in some problems with signal breakthrough in the SCAF area. The 2020 is using a 60 MHz IF filter instead of the QRP+ 50 MHz making all narrower bandwith by the SCAF filter.

>There
> was announce-
> ment that Bruce Franklin was helping with the design; SGC was
> taking over

> the Index inventory and repair, etc., then another brief
> announcement that
> Bruce was no longer associated with SGC,
>
>

See above, it IS a modified QRP+ design. I dont know, who it did, but if you
no the QRP+ schematics and you see the SG2020 schematic you will find twins
or at least brother and sister. In my opinion it is an updated QRP+,
somthings seem to be better, some even more worse.

Peter, DL2FI

Date: Tue, 28 Apr 1998 09:45:03 -0400
From: "Ed Hare, W1RFI" <ehare@arrl.org>
To: qrp-l@Lehigh.EDU
Subject: [9333] Re: QPRTTF from WY/NE/CO and scoring (long)
Message-ID: <3545DD5F.7F04@arrl.org>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Zoerb, Ron wrote:

> I have needed only "DE" for my WAS for about a year and knew Ed
> (W1RFI) was planning to be there for part of the weekend, well I heard > him
calling CQ and tried several times to answer with no luck.

I had a heck of a time finding a quiet location. The area I was in was
just filled with industry and power lines. I found one location in New
Castle where I could string a wire into a small tree for 40 meters, but
the line noise was about S2 on 20 meters -- just enough to cover up the
weak ones. The last two hours of the 'test, I moved to a quieter
location, sans trees, I am afraid, but I was able to hear lots of weaker
stations, so spent most of the two hours picking off CQers. Glad to
have let you know Delaware does exist. :-)

> With about 30 min. to go, he answered my CQ, and was I tickled.... > > well it
won't count because of my location... 150 miles from home. > > Oh well, there
will be others.

I had such a ball I am already planning my re-activation of Delaware,
probably from a borrowed big-gun station run QRP in the November CW SS.

Some QRPers have shied away from the Nov SS, but it is really not all that tough. One year I ran 5 W and did a WAS over the weekend. (I was sure pleased!!!) The next year, I ran 10 milliwatts and netted 54 contacts in 30 sections. This was all done with an 80-meter dipole fed with ladder line up about 50 feet. SS WORKS for QRPers -- the big gun stations have real good ears.

72,
Ed, W1RFI

Date: Tue, 28 Apr 1998 09:57:11 EDT
From: B1ljohn <B1ljohn@aol.com>
To: qrp-l@Lehigh.EDU
Subject: [9334] Re: SG2020
Message-ID: <e61e7917.3545e039@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

One review doesn't make the rig good or bad. For example, I have heard some negatives about the QRP++. I happen to own one. I have owned both versions and really like the latest. I am a very critical operator, but not the most frequent user. I don't have to "put up" with any near by neighbor QRO hams who might overload my front end. Like most rigs, there are always things we'd like to see improved. These are \$600 transceivers that do so much for so little. There will be some sacrifices.

I have thoroughly enjoyed my rig despite what I have heard. I have been tempted to buy the IC706 MKII, but after considerable playing, decided to keep the QRP++ because it does what I want for half the cost. I think the audio is superior. Personal taste. SSB and CW have been a pleasure.

The imperfections are minor compared to all the plusses. Sometimes I find myself being overly critical, and I think it comes from my own experiences of building and attempting to find perfection, which in the real world doesn't exist, or to get close, one has to spend the big \$'s and have a large non-portable rig.

Did the reviewer in Germany reduce the rf gain when hearing the other adjacent interference? What happened when that was done? Perhaps his expectations are founded on comparison to another piece of similarly priced equipment, I would like to know to what the comparison is being made. Without knowing his perspective it's difficult to make a judgement.

While in Milwaukee last week I spoke with a ham at AES who said he played with the rig (a demo in the store) and couldn't wait to get his hands on one for himself.

Myself, I remain interested in the rig as the next generation of the QRP++ which to me has served very well both on SSB and CW. I also would like to build the K-2 and the S & S as well. Over time, should be to do it all. Hi!

(Flame mail is accepted, NOT always appreciated!)

72,

Bill
K9YEQ

Date: Tue, 28 Apr 1998 09:00:55 -0500
From: Chuck Carpenter <w5usj@webwide.net>
To: qrp-l@Lehigh.EDU
Subject: [9335] RAMBO - 3
Message-ID: <3.0.1.32.19980428090055.00692194@mail.webwide.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

A friend recently brought me a PCB that appears to be a regulator. He found it at Tanners in Carrollton. It includes an LM317T (no heatsink), 3 -- 2n3904s a momentary pushbutton switch, and a 24V DC relay. It is marked RAMBO-3 on the wiring side and has large blade terminals for plugging into something. Anyone know anything about it? Is it useful for anything other than the parts?

72/73 -- Chuck, W5USJ, EM22cv
Rains County, Eagle Capitol of Texas
ARCI # 5422, QRP-L # 1306, FISTS # 3984

Date: Tue, 28 Apr 1998 10:24:45 -0400
From: "David Maliniak" <dmaliniak@penton.com>
To: qrp-l@Lehigh.EDU
Subject: [9336] Re: K8FF paddle question
Message-ID: <852565F4.004EBE40.00@mail.penton.com>
Mime-Version: 1.0
Content-type: text/plain; charset=us-ascii

Pete:

You asked about finishing the plexiglass finger pieces for the K8FF...

What worked pretty well for me was... after cutting them to the shape I wanted (hacksaw/mitre box), I roughed out the edges with a fine file. I wanted a beveled (rounded) edge on them, so I went at it with that in mind. That was followed by some of the 400 and 600 grit paper I used on the brass. After that, I was left with a nice smooth edge but with a clouded finish. I wanted crystal clear. What to do, what to do... ahah! The brass polish? Sure! Worked very well. A little brass polish on an old cotton T-shirt. Gave me a beautiful, water-clear edge.

You do have to be careful when you file the edges to the shape you want; it tends to chip some. A light touch is paramount.

Good luck, Pete!

72 David N2SMH
Glen Rock, NJ

Date: Tue, 28 Apr 1998 10:25:34 -0400 (EDT)
From: cjayheff@erols.com (C. Jay Heffner)
To: qrp-l@Lehigh.EDU
Subject: [9337] Re: FISTS URL
Message-ID: <v01520d36b16b5f88ab4b@[207.172.109.110]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Yep! It's "the one"!

72,
Craig

Date: Tue, 28 Apr 1998 10:25:29 -0400
From: Michael Maiorana <mikemo@ibm.net>
To: qrp-l <qrp-l@Lehigh.EDU>
Subject: [9338] Elmer101: class pace results

Message-ID: <3545E6D9.436D@ibm.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Well, the general consensus was that the class was moving along at a good pace, although there are quite a few that want us to pick up the pace.

Most of the VFO questions have died down so it looks like it's time to move on. As soon as I get a few hours to get the web site together and the next section I'll post it (hopefully today).

Has everyone got their quiz completed?

--

72 de ku4qo
Mike Maiorana
Palm Harbor, FL

"Have a great day, and enjoy whatever liberty you have remaining!"

Date: Tue, 28 Apr 1998 14:31:04 +0100
From: "Steve Sorrell" <ap036@detroit.freenet.org>
To: <hhurst@delaware.infi.net>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [9339] Re: band plans
Message-ID: <004e01bd72a9\$e8d5b100\$aa42b3c7@default>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

You are soooooo right, enuf already, GEEEEZZZ!
de Steve W8SFF

Date: Tue, 28 Apr 1998 07:48:28 -0700
From: Bruce Grubbs <bog@flagstaff.az.us>
To: qrp-1@Lehigh.EDU
Subject: [9340] QRPTTF AZ/NV/UT soapbox
Message-ID: <3.0.5.32.19980428074828.009a31b0@mail.infomagic.com>
Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

The Arizona/Nevada/Utah op (N7CEE and K7ZEN):

We arrived at our operating site Friday evening about 6 pm MST, which was about 0.8 miles southwest of the 3 corner point, in Nevada. (Next time, we'll go backpack portable, hi!) To get closer by vehicle was not possible without tearing up the desert. We were able to get our antennas up and the station on the air by 7pm. Scott made a few contacts to check things out, then we hit the sack. We also kept a sked with Marvin, KA7TDH, back in Flagstaff on 75m phone, who ran a phone patch to Scoot's XYL. Marvin was running 700 watts- we ran 5 watts from the Alinco DX70 mounted in my car (using the 80m inverted V), with Marvin reporting solid copy. Who says you can't do QRP on SSB? 75m no less!

There were a few clouds around but being the experienced backcountry hiker I decided it wouldn't rain. Scott trusted me enough to sleep out under the stars, I left the fly off my net tent, and decided to wait until morning to set up the tarp over the operating position. Of course, the gentle patter of rain woke us up at midnight! We set up the tarp and my tent fly, and went back to sleep.

At sunrise the rain became serious for about an hour, but then stopped, only to be replaced by a cool north wind blowing across the open Mohave desert. A few Joshua trees and scattered creosote bushes were the only things blocking the wind. But the desert was green with lots of tiny flowers after the recent rains. We had time to take a walk to the border monument, which we located with the aid of GPS. It's a lonely spot- a couple of barbed wire fences intersect, and the point itself is marked by a 3 ft carved sandstone monument. Not a place which is visited too often.

On the air, we found the bands in bad shape- hardly anyone even tweaked the S meter. But the noise level was very low. 40 was the mainstay until early afternoon, when we were able to work a lot of states on 20. Only 3 contacts were made on 15, which barely opened for us. 20 allowed us our only contacts with the east coast. We could hear a lot of activity down at the noise floor but generally couldn't work anyone in the east half of the country.

After the contest ended, we partially broke down the station, leaving the rest for Sunday AM. Our second night camping was uneventful.

All in all, a lot of fun, despite the poor band conditions. It was really great to work some of the other border ops, including some of the ops at Four Corners.

Rig: Wilderness Radio Sierra running 1.5 watts

Antennas: 80m inverted V fed with twinlead, Hustler 40-10 vertical

Power: Solar charged gel cell pack

72

Bruce, N7CEE

email: bog@flagstaff.az.us

Coconino ARC
AZ ScQRPions
QRP ARCI #5883
Adventure Radio Society #344
"Minimal Means... Maximum Fun"

Date: Tue, 28 Apr 1998 07:52:11 -0700
From: Vic Rosenthal <rakefet@rakefet.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [9341] CW rigs
Message-ID: <3545ED1B.9D6B226A@rakefet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

The recent not-so-good report on the new SGC rig's CW performance isn't totally surprising, in view of the fact that very few good CW rigs have EVER been produced.

Some of the Japanese manufacturers are capable of making \$3000-and-up rigs that shorten up dits unacceptably or even drop the first one entirely! QSK performance on

ALL Japanese rigs could be improved enormously with a little tweaking (unfortunately,

these rigs are so complicated that few hams dare to try it themselves -- I know I don't). TenTec is better, but take the Scout....please.

The fact is that in most cases the manufacturers do not consider a reasonable operational test by a GOOD CW operator a necessary part of their development process! Why should they, given the market as a whole and the overwhelming preference for SSB by hams? Sometimes a manufacturer will hear the screaming by the CW minority, though, and fix the problems. Let's hope that this will happen with the SGC.

Given the state of the art, it's a scandal that we CW operators have to put up

with
third-rate performance. Those of us who care should scream loudly and demand
radios
with:

1) True full break in -- ability to hear between dits at 50 wpm with absolutely NO
clicks, thumps, relay noise, etc. This rules out all major manufacturers except
Tentec (and some QRP kits).

2) AGC loop inside the high-selectivity system. A 2.7 kHz wide SSB IF with AGC
and a
100 Hz audio filter will NOT cut it. This is apparently one of the problems with
the
SGC.

3) Variable CW pitch, tracking with center frequency of filters and sidetone. I
want
to listen to a pitch of 500 Hz in the middle of the passband. Hmm, does the Omni
VI
have this?

4) Audio system with very low distortion, hum, hiss, etc. I want to use
high-fidelity low distortion 'phones without hearing junk. Just about everybody
blows this one.

Vic, K2VCO

Date: Tue, 28 Apr 1998 11:12:08 -0400
From: Zack Lau <zlau@arrl.org>
To: qrp-l@Lehigh.EDU
Subject: [9342] Re: An Open Letter to QRP Radio Designers
Message-ID: <3545F1C8.3CDF@arrl.org>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

The \$30 MRF 136 might be useful on both transmit and receive.
Not only is a 15 watt part, but it supposedly has a 1 dB typical
NF at 150 MHz (should be pretty good at 10 meters, like other
N channel MOS parts). However, Motorola's suggested test circuit
isn't useful for a receive preamplifier--Zack W1VT

Date: Tue, 28 Apr 1998 11:16:36 -0400 (EDT)
From: "Scott Rosenfeld [NF3I]" <ham@w3eax.umd.edu>
To: qrp-l <qrp-l@Lehigh.EDU>, eax@w3eax.umd.edu, Laurel ARC <larc-l@webtrek.com>
Subject: [9343] Going to Smithsonian, NN3SI, Thursday April 30
Message-ID: <Pine.LNX.3.95.980428111035.26007B-100000@w3eax.umd.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Well, unless it falls through, Chris, N3XRV, and I are going to activate the Smithsonian Institution exhibit station, located at the American History museum in downtown Washington, DC.

Bands and modes are yet unknown, although I'll surely wish to get on CW given the chance. Conditions have been stinko lately, but we shall see.

Operating time - roughly 1430-1830z. It's a small exhibit, thus the small number of people going to be activating it.

Doing so is free and requires only a copy of your license. You MUST contact Elliot Sivowitch, K3RJA, at the museum at 202-357-1840 a few weeks before your intended operation so that a monitor can be present.

Watch for us! (we might also be on 2m FM locally)

* Scott Rosenfeld NF3I Burtonsville, MD FM19mc QRV 80-10/6/2/440 *
* 6m 82 grids on 8w * DXCC WAS WAC * QRP-L #147 * QRP ARCI #9054 *
* <http://w3eax.umd.edu/~ham> * ARRL Life Member /Laurel ARC/UMARA *
*** 301-549-1022 h 301-982-1015 w *** 35 wpm HF mobile CW Neon ***

Date: Tue, 28 Apr 1998 11:41:35 -0400
From: Zack Lau <zlau@arrl.org>
To: qrp-l@Lehigh.EDU
Subject: [9344] Re: New QRP wanna be
Message-ID: <3545F8AF.7D0B@arrl.org>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

My QRP Three-bander is designed for field alignment. There are five panel mounted controls that are designed to be adjusted with your fingers--no alignment tools to lose. Oct 89 QST/QRP Classics.
--Zack W1VT

Date: Tue, 28 Apr 1998 16:01:00 +0000
From: Ed Loranger <we6w@qsl.net>
To: ka7you@juno.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [9345] Re: SG2020
Message-ID: <3545FD3C.128D@qsl.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

ka7you@juno.com wrote:

>
> FWIW,
> The new (may '98) "Nuts'N'Volts" Mag has an article about SGC and
> their products. It has Gordon West's name on it. It just arrived today,
> and I haven't had time to read it, but I did notice a section on CW. It
> mentions the variable bandwidth from 2.7KHz down to 100 Hz, and the IF
> shift from +300Hz to -1000HZ in 100 Hz steps.
> The article also stated "We found that the 2020 is set up for full
> break-in operation, and transmits when the key is closed." Duh!

I brought the current issue of "Nuts'N'Volts" to work today. It is a very interesting magazine and I really like it. What is really funny, I grabbed it this morning and put the Spring QRPP magazine inside, to protect the QRPP while in my bicycle basket.

Extra precautions must be taken to protect this issue or QRPP, since it contains my first-ever published work :)

Back to the SGC-2020. What is the real name? The article gives us at least three: "SG-2020", SGC-2020", and the Block diagram titled "SCG-2020". The unit is small! The sales photo/ad shows the "SG-2020 with a pen lying in front. Pen length about the same as the rig width. Neat.

The article mentions an operating voltage range between 10 to 15 Volts. With no measured drift on CW between 11-15 Volts operating. Their perception is based on "INCOMING" CW Signals and I didn't see any reference to what happens when you transmit under 11 Volts....

One confusing issue is the statement: "The export version of this radio [SG-2020] tunes continuously on BOTH transmit and freceive from 1.8 MHz to 30 MHz." No-where in the article did

I find whether the USA version "receives" continuously from 1.8 MHz to 30 MHz. Instead of the word "Receive", the article mentions that the SG-2020 "Covers" USB/LSB CW frequencies from 1.8-30MHz. What frequencies are they referring to? KNOWN HAM Frequencies? I think 'Continuously tunes from 1.8-30 MHz' is less ambiguous. A caveat stating SSB/USB/LSB modes are demodulated with the bandwidth of the rig should also be included.

The USA version does transmit in the ham bands.

I have more questions than answers, but at least the information is beginning to trickle out.

Folks: This is not a review for/against any product herein mentioned. Just the personal and objective observations of this almost-40 yr. old ham. I have NO Connections with SGC, nuts/volts, just a radio op.

73/

-Ed

--

72, Ed, WE6W/qrp CW ONLY; Proud Member: QRP-L/ARCI/Norcal/ARS/AR
<http://www.qsl.net/we6w> (Enjoying Ham Radio every day.)

Date: Tue, 28 Apr 1998 09:30:48 -0700
From: dave_epps@juno.com
To: qrp-l@Lehigh.EDU
Subject: [9346] FS-Banq/conc Tkt
Message-ID: <19980428.095234.6678.1.dave_epps@juno.com>

FOR SALE: Dayton Hamvention 98 Grand Banquet (Includes concert- Ronnie Milsap, WB4KCG) ticket. Price \$30.00. Will be \$35 at door, if not sold-out.

I bought this before I knew about the saturday nite QRP activities.
Will trade for complete, unbuilt qrp related kit. I will pay difference.
dave ab5pc fresno, ca.

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com>
Or call Juno at (800) 654-JUNO [654-5866]

Date: Tue, 28 Apr 1998 09:49:17 -0700

From: "D.K. Philbin" <dphilbin@slonet.org>
To: qrp-l@Lehigh.EDU
Subject: [9347] Help finding Hamstick 20 meter antenna and mag mount
Message-ID: <3.0.5.32.19980428094917.007b28f0@slonet.org>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Dear fellow hams,

I am trying to purchase a 20 meter hamstick antenna and a tri-magnetic mount so that I can take my Dave Benson's qrp ssb rig mobile.

I only have an older qst on hand (I am not very mobile today..I broke my ankle on Sunday and it is a bit tough to get around) and the phone number for the lakeview Company is no longer in service. I have called some other companies listed in qst and they do not have the hamstick in stock.

Now, why the hamstick? Only because I know from friends that they do work ..but I am open to other ideas. I am not able to construct much till the ankle heals..

Any and all isseas welcome.

D.K. Philbin
KD6TK

Date: Tue, 28 Apr 1998 07:08:54 +0100
From: Leon Heller <leon@lfheller.demon.co.uk>
To: kc5tja@topaz.axisinternet.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [9348] Re: SPICE, X-Windows, and Linux
Message-ID: <eCNDGSA2JXR1Ew3e@lfheller.demon.co.uk>
MIME-Version: 1.0

In message <Pine.LNX.3.96.980427193849.15521C-100000@topaz.axisinternet.com>, KC5TJA <kc5tja@topaz.axisinternet.com> writes
>Is there any SPICE package that would compile under Linux 2.0.29, gcc
>2.7.2.1? In addition, is there any X interface to the said Spice package?
>Something where I can visibly see the voltages and currents so probed?

All the SPICE sources should compile under Linux. The earlier versions were written in Fortran, so you would need to put the code through the f2c translator.

Leon

--

Leon Heller: leon@lfheller.demon.co.uk <http://www.lfheller.demon.co.uk>
Amateur Radio Callsign G1HSM Tel: +44 (0) 118 947 1424
See <http://www.lfheller.demon.co.uk/dds.htm> for details of my AD9850
DDS system. See " /diy_dsp.htm for a simple DIY DSP ADSP-2104 system.

Date: Tue, 28 Apr 1998 12:14:41 -0500
From: Tellefsen Bob-CNSE97 <cnse97@lmpsil02.comm.mot.com>
To: pmeier@tir.com
Cc: qrp-l@Lehigh.EDU
Subject: [9349] Re: K8FF Paddles
Message-ID: <E726B6D1F2C7D1119AB900805FA74B3C03BFD3@s-il02-n.comm.mot.com>
MIME-Version: 1.0
Content-Type: text/plain

Hi, Pete.

I did an end run on the problem. I wanted something with the finger
surfaces a bit closer together than the plexiglass fingerpieces
provided.

I replaced them with bass guitar picks. They are available in all sorts
of colors.

Working very well. I think a few others have also used this approach.
73, Bob N6WG

Date: Tue, 28 Apr 1998 10:11:40 -0700 (PDT)
From: KC5TJA <kc5tja@topaz.axisinternet.com>
To: Leon Heller <leon@lfheller.demon.co.uk>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [9350] Re: SPICE, X-Windows, and Linux
Message-ID: <Pine.LNX.3.96.980428100903.19122C-1000000@topaz.axisinternet.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Tue, 28 Apr 1998, Leon Heller wrote:

> All the SPICE sources should compile under Linux. The earlier versions
> were written in Fortran, so you would need to put the code through the
> f2c translator.

I will send you the output of the "build" command when trying to build

spice for Linux. I can guarantee you that you will *NEVER* want to touch Linux for SPICE use again. The output is hairy.

Specifically, I'm trying to build the Berkeley SPICE 3f4 version, as available on the Sunsite FTP site.

Put simply -- it does not compile. Period. I even tried rewriting the "build" script with absolutely no success. There is *NO* makefile of any kind with this distribution.

I'm really starting to get a bit depressed at this situation.

```
=====
      KC5TJA/6      |      -| TEAM DOLPHIN |-
      DM13         |      Samuel A. Falvo II
      QRP-L #1447  |      http://www.dolphin.openprojects.net
=====
```

Date: Tue, 28 Apr 1998 17:23:12 +0000
From: Ed Loranger <we6w@qsl.net>
To: dmaliniak@penton.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [9351] Re: K8FF paddle question
Message-ID: <35461080.815@qsl.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

David Maliniak wrote:

<snip>
> brass. After that, I was left with a nice smooth edge but with a clouded
> finish. I wanted crystal clear. What to do, what to do... ahah! The brass
> polish? Sure! Worked very well. A little brass polish on an old cotton
> T-shirt. Gave me a beautiful, water-clear edge.

David and gang: Using knife sharpening stones from 380 to 1000 Grit gave my plastic paddle pieces the water-clear finish. Looks like a diamond glittering in the bright lights. Used with water, the job took about 5 to 10 minutes. An added bonus using the stones, the flat stones will maintain any lines you need and it is easy to round edges if you wish.

-Ed

--

72, Ed, WE6W/qrp CW ONLY; Proud Member: QRP-L/ARCI/Norcal/ARS/AR

<http://www.qsl.net/we6w> (Enjoying Ham Radio every day.)

Date: Tue, 28 Apr 1998 11:47:25 -0600
From: John Evans - N0HJ <jae@codenet.net>
To: qrp-l@Lehigh.EDU
Subject: [9352] Homebrew Air Variable Capacitors
Message-ID: <3546162D.D853DE12@codenet.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Greetings,

Now that I have moved away from the Ft Meade area, I no longer have access to Maryland Radio's wonderful library of ham pubs.

At any rate, I'd love to get a copy of the articles on building air variable capacitors in the May 78 (starts on page 38) and Nov 75 (starts on page 22) issues of QST. If anyone has access to such a library or has these issues, I'd gladly pay for expenses, postage, etc.

tnx es 72 - john - n0hj

John A. Evans	Chief Systems Administrator
Office: (719) 528-1800 x164	Titan Software Systems
Fax: (719) 528-1888	1115 Elkton Drive, Suite 200
email: jaevans@cos.cst.titan.com	Colorado Springs, CO 80907-3535

Norcal #262 QRP-L #219 QRP-ARCI #8303 NE-QRP #213 CQC #045
CQrp #15 NJ-QRP #50 AK-QRP #52 NW-QRP #454 FISTS #3184
Personal Web Page: <http://www.geocities.com/capecanaveral/9773/>

Date: Tue, 28 Apr 1998 13:44:15 -0400 (EDT)
From: Jim Eshleman <lujce@hooch.cc.Lehigh.EDU>
To: kc5tja@topaz.axisinternet.com
Cc: qrp-l@Lehigh.EDU
Subject: [9353] Re: SPICE, X-Windows, and Linux
Message-ID: <98Apr28.134422-0400_edt.10389-17664+26@hooch.cc.Lehigh.EDU>
Content-Type: text

Go get yourself RedHat Linux 5.0. A Spice2G6 RPM is included in the base distribution. I *think* nutmeg (X-windows based graphing/plotting utility) is included. You may even be able to locate the source (SRPM) and build it on a different flavor of Linux...

<http://www.redhat.com/>

73

Jim N3VXI

Date: Tue, 28 Apr 1998 11:50:52 -0600
From: "James R. Duffey" <ji3m@maxwell.com>
To: qrp-1@Lehigh.EDU
Subject: [9354] QRPTTF-Part 1
Message-ID: <v03007808b16bb6b707cc@[192.31.66.158]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

All - The weekend was fun and passed too quickly.

On Thursday night I started packing the car for the trip on Friday. First thing I noticed when I went to pack my antenna was that there was no antenna-just a balun and support. I had started this portable antenna for FYBO when I got sick and didn't finish it. So I got the 18 gauge wire out and asked for volunteers to help me measure it. My wife finally took pity on me , the kids suddenly had lots of homework to do 8^), and we were out on the driveway, in the dark, measuring my multiband dipole lengths. It turned out a bit long, but the autotuner in the TS850S took care of things nicely.

Went over to Jay's, WA5WHN, in the morning and met one of his harmonics. We picked up Gary, W5BI and headed for the four corners. Jay has posted about this trip, so I won't repeat that.

The 4 corners site is quite nice, slightly elevated above the surrounding terrain with good radio horizons in all directions. It is a pity that we could not camp at the site.

I used a 17.5 foot paint roller extension for the center mast and erected my drooping parallel dipoles. Jay, Roger, and Gary laughed at my center insulator/balun constructed on a soda pop bottle, but it works. By the way, the mast works fine with about 6 inches of overlap in the sections. I also looked at a similar 24 ft paint roller extension, but it seemed too floppy when fully extended. The mast held up well to the wind, 30 to 40 mph at the

end of the contest. We diverted a thunder storm by dismantling the stations a half hour early.

The bands were not in good shape at the four corners. 40M was my bread and butter band, with lots of contacts and reasonable propagation. QRN was fairly high, particularly in the late afternoon when thunderboomers loomed on the horizon. 20M was up and down with signals suddenly disappearing into the noise, then rising to S9, but was also hindered by N4C generated white noise from Gary running in the SSB part of the band =8^). I used the attenuator to knock down the white noise, but that is not the way to run a QRP contest. None the less, I made some 20 M contacts. 15 M was up and down, but there was enough activity to make it very productive if checked often.

The best DX was AH7R, HI, who popped up out of the QRN long enough to make a contact, and was ever heard from again. I ran over to tell Roger, but by then Mike was gone. We didn't hear him again. I worked both Paul, NA5N, and Doug, KI6DS, at four corners South, as well as many other border stations. Lots of rare stuff on the bands, readily worked and at one point my log had contacts with ND, SD (Twice), WY, and MT as 5 of the first 7 entries on a new page! I think the other two were MN and NE. I never was able to work very far to the east on any of the bands. Roger could, so I suspect that his vertically polarized antenna was more effective on the long haul than my low dipole. I worked many of the border stations on more than one band, a nice trend in QRP contests. I think I worked W0UN (? will check to be sure) on three bands; 40, 20 M, and 15 M. I checked 10 M often, but it did not open.

I will have another report when I go through the logs. I have not done that as I had to travel for work on Monday. Left early, got back late. Now let's see, where is that formula for figuring scores? Are QSOs commutative with multipliers? Does the associative principle apply?

We worked as N4C on Sunday, but the bands were terrible. I was impressed with the public's interest in the operation at the 4 corners though. We should have had handouts. Jay was a great PR spokesman. Next year - QRP to A Public Place??

We had had three inches of snow on the ground when I got home, and the cable TV drop line had fallen down. - Duffey KK6MC/5

James R. Duffey KK6MC/5 DM65 <jamesd1@flash.net>
30 Casa Loma Road
Cedar Crest NM 87008

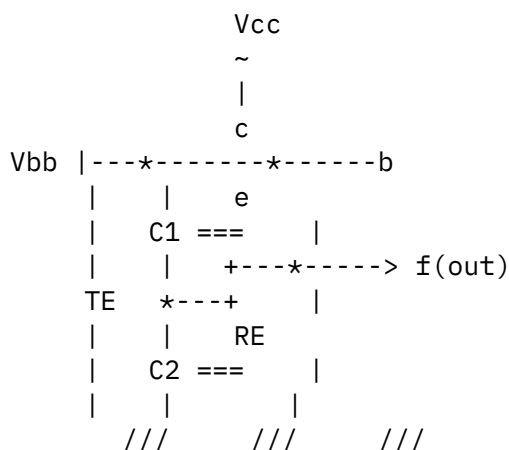
Date: Tue, 28 Apr 1998 10:52:01 -0700 (PDT)
 From: KC5TJA <kc5tja@topaz.axisinternet.com>
 To: qrp-1@Lehigh.EDU
 Subject: [9355] VFO Design Patterns
 Message-ID: <Pine.LNX.3.96.980428101344.20188A-100000@topaz.axisinternet.com>
 MIME-Version: 1.0
 Content-Type: TEXT/PLAIN; charset=US-ASCII

I'm starting to notice a few patterns, based on my observations of a few construction projects for VFOs, and is heavily influenced by my own design experiences.

The particular VFO architecture I'm dealing with is the series-tuned Colpitts oscillator. I've had nothing but good luck with this series of oscillator designs, so I think I'm going to stick with this one forever. :) Not to mention it makes an ****AWESOME**** research vehicle for understanding the operation of an oscillator.

In my circuit, I use a coil/capacitor tank to tune the circuit. In two other examples, I've seen crystals and possibly an additional pulling capacitor.

The basic circuit layout is as follows:



Here the Tuning Element (TE) can be either a series-tuned "tank" or a crystal (with optional pulling cap in series).

What I notice is that $X_{c1} + X_{c2}$ is always between 50 and 300 ohms. It seems that the higher this reactance, the more stable the VFO operates,

but the smaller its tuning range. In the N2CX article on CPR/MON in the latest QQ, its closer to 300 ohms (298 ohms in my calculations). In addition, the Vbb is 1.8V (or thereabouts), which would make Ve 1.15V or so. To make the math simple, I rounded down to 1V. I understand that this introduces all sorts of errors, but please bear with me, as the basic concepts remain the same. In the CPR/MON, I guesstimate that Vcc is around 4.35V as well. Total collector current is also guesstimated to be around 2.13mA quiescent.

In MY VFO circuit, I don't even HAVE C1, but only C2. C2's impedance ranges from 50 to 100 ohms, with the VFO's most stable operation closer to 100 ohms (that is, towards the lower frequencies). In addition, the VFO seems to work best when Vbb is between 33% and 66% of the supply voltage, or around 4 to 8V. Let's assume 4V for now. At four volts, Ve is 3.35V, across a 1K resistor. The quiescent collector current then becomes 3.35mA. Very close to N2CX's oscillator. I also find it intriguing that X(C2) in both circuits seem to hover around 100 ohms. In addition, in both circuits, the base bias voltage is reasonably close to 33% (though in N2CX's design, it's 41.3%). Note that, unlike N2CX, I'm using a 2N3906 transistor.

Is there any rational explanation for these observations? I'm having a hard time deriving WHY these conditions seem ideal for proper oscillation. I also am now also seeing a pattern which ought to allow me to predict the upper frequency limit of an oscillator -- it seems to be entirely dominated by C2 (as frequency increases, X(C2) decreases, thus causing less voltage to be developed across it, until finally, it drops below the minimum required to self-sustain oscillation) . But what determines the lower frequency limit? I've noticed that, upon placing a load on the emitter of the transistor, that it becomes sensitive to the lower frequencies as well. What could possibly explain this?

My theory on this phenominon(sp?) is also related to capacitance, but of a larger nature. You see, when you couple the VFO to an amplifier, such as what I have in my circuit, you use a DC blocking capacitor. I use a blocking cap of 0.001uF, as that's all I had at the time. To the VFO, this capacitor appears in parallel to C2 to ground through about 47K of resistance. But that doesn't give me much, since the lower the frequency, the impedance as seen on the emitter should remain fairly constant: 47K in parallel with X(C1) and X(C2). The only other thing I can see causing a problem would be the base-emitter capacitance of the following stage. If this, indeed, is the culprit, then not even an emitter follower would help.

I never thought I'd see so many possible problems inherent in a circuit building block as simple as an oscillator... :)

Anyway, I guess I'll sit on this, and when I have my next revalation, I'll

be sure to post my findings.

```
=====
      KC5TJA/6      |      -| TEAM DOLPHIN |-
      DM13          |      Samuel A. Falvo II
      QRP-L #1447   |      http://www.dolphin.openprojects.net
=====
```

Date: Tue, 28 Apr 1998 14:06:04 -0400
From: Zack Lau <zlau@arrl.org>
To: qrp-l@Lehigh.EDU
Subject: [9356] Re: An Open Letter to QRP Radio Designers
Message-ID: <35461A8C.3D12@arrl.org>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Motorola also makes two lower voltage parts for those who don't like 28 volt supplies--the 3 watt MRF 5003 that runs at 7.5 volts and the 15 watt MRF 5015 for 12.5 volt supplies.--Zack W1VT

Date: Tue, 28 Apr 1998 14:08:44 EDT
From: RangerSF5 <RangerSF5@aol.com>
To: qrp-l@Lehigh.EDU
Subject: [9357] Need info on QRP logo
Message-ID: <443617b5.35461b2d@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

Hi gang
Can someone tell me what club has the logo,a number 5 with the top extended out and rp under that extension???

Also,i'm getting qsl cards printed up and forgot my qrp-l number.
I think it's 1347 but not sure.
How can I get this info?
Many thanks in advance
Bob
WA2HOQ

Date: Tue, 28 Apr 1998 14:17:13 -0400
From: Pete Meier <pmeier@tir.com>
To: "QRP-L List" <qrp-l@Lehigh.EDU>
Subject: [9358] Thank you-Paddle advice
Message-ID: <199804281814.0AA27455@sun.tir.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"

I would like to thank all who have taken a few moments to share their experiences in finishing the plexiglass tips for the K8FF Paddle Kit. As many have said before the folks on this list are top notch and treat others as friends sharing what ever is asked.

Chuck K5F0 see's this type of note and nods saying "That's what this is all about"

Thanks again gang.

signed,

Pete WK8S

Date: Tue, 28 Apr 1998 18:25:20 +0000
From: Ed Loranger <we6w@qsl.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [9359] The Equalizer: ANTENNA Multipliers
Message-ID: <35461F10.2099@qsl.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I've been stewing for a while regarding different advantages some of the QRP operators have:

VERY HIGH TOWERS
LPDA's
Beam Antennas

And yet other operators compete head-on using apartment antennas and perhaps attic loops snaked ust short of the metal sheeting found in some roofs.

This is just food for thought. I know we have a contest where the antenna type defines who you compete against so I'm not raining on that parade.

But the premise of my thoughts are still: How can a multiplier be applied such that worse the antenna, the higher the multiplier. Just to balance things out?

Formula: BAND In Meters DIVIDED BY (Ant Height + Ant Length)

Ant height will be defined as the height where the highest CURRENT Node exists on the antenna. (This thwarts feed line multipliers for END Feds :)

Antenna Length Defined as Length of Radiator attached to each of the feedline wires. So a no-radial Vertical with just 4 foot ground rod has advantage of Vertical with Long Radials. The longest Radial attached is measured, regardless of whether that radial is for a particular band.

EXAMPLE Calculation for ANTENNA MULTIPLIER:

Ham A: 1/2 wave dipole up 30 feet. operating on 40 Meters.
 $\text{MULTIPLIER} = 40 / (20 \text{ Meters} + 10 \text{ Meters}) = 1.33$

Ham B: 1/2 Wave Dipole up 10 Feet on 40 meters.
 $\text{Multiplier} = 40 / (20 + 3.3) = 1.72$

HAM C: 1/2 wave dipole up 70 Feet on 40 meters.
 $\text{Multiplier} = 40 / (20 + 23) = .93$

HAM D: 1/4 wave vert, 3 ft. gnd rod.
 $\text{Multiplier} = 40 / (10 + 1) = 3.64$

HAM E: 1/4 wave vert, 1/4 wave radials.
 $\text{Multiplier} = 40 / (20 + 20) = 1.0$

HAM F: 1/2 wave dipole, 1/2 wave up.
 $\text{Multiplier} = 40 / (20 + 20) = 1.0$ (Reference antenna)

Ham F's antenna on 20 meters?
 $\text{Multiplier} = 20 / (20 + 20) = .5$ (Advantage goes to efficient antennas for the higher band.)

WHAT Does this promote: Efficient yet small antennas. The use of Correct antenna for the band of operation

instead of "forcing that 80 Meter INV. Vee on 20 Meters:)

Anyway, just my thoughts for the day.

72 / Ed.

--

72, Ed, WE6W/qrp CW ONLY; Proud Member: QRP-L/ARCI/Norcal/ARS/AR
<http://www.qsl.net/we6w> (Enjoying Ham Radio every day.)

Date: Tue, 28 Apr 1998 14:09:39 -0400 (EDT)
From: Richard Brittingham <rbritt@visi.net>
To: "D.K. Philbin" <dphilbin@slonet.org>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [9360] Re: Help finding Hamstick 20 meter antenna and mag mount
Message-ID: <Pine.GS0.3.96.980428140924.28948A-100000@ankara.visi.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

www.hamstick.com

I used it last week.

Amateur Radio Operator as WD4AEF for 22 years
Now Vanity Call is W4MCD

Date: Tue, 28 Apr 1998 14:30:08 -0400
From: Pete Meier <pmeier@tir.com>
To: "QRP-L List" <qrp-l@Lehigh.EDU>
Subject: [9361] FS: Jones Key
Message-ID: <199804281827.0AA01963@sun.tir.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"

I have a Jones Key that I don't use much any more. It's a dual lever paddle with a very heavy red base and red finger tips. The paddle is

solid, machined brass with adjustable everything. This is a very well built key that weighs about 4 lbs (it won't move around on the desk) yet it has a very nice feel to it. Cosmetically it's in very good condition but the red base shows some wear(but could easily be repainted).

I am asking \$100 but will include shipping in that price (continental U.S.)

Pete WK8S

Date: Tue, 28 Apr 1998 14:36:33 -0400 (EDT)
From: Chris Cartwright <ccart@dns.vidtel.com>
To: QRP Reflector <qrp-l@Lehigh.EDU>
Subject: [9362] QRPP Slip Up
Message-ID: <Pine.LNX.3.93.980428142438.727R-100000@dns.vidtel.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I told Paul and Doug not let the cat out of the bag. So gang, *DON'T* look at page 70 (not the bottom anyway). Whew, at least you didn't spill the beans about it using 222 2N2222's... oooops! Oh well, it would have had to go in K5F0's unlimited category anyway <grin>

Paul thanks for the wonderful drawings that make a simple idea look even easier, and Doug, thanks for my 15 minutes of fame. Someday I'll get around to writing a real article, and find time to build, and operate, and...

Don't forget to listen for NN3SI (if possible) on 4/30 1600z-1900z, we cliff dwellers only get to use "real" antennas once in a while. Sure hope to be QRP!

-- Chris Cartwright, Technical Engineer | ccart@vidtel.com --
-- N3XRV ARRL-VE QRP WAS 28/13(w/c) | http://dns.vidtel.com/~ccart --
-- QRP-L #655 NORCAL #1891 QRP-ARCI #???? NJ-QRP #105 LIQRP #???? MDmW #5 --

Date: Tue, 28 Apr 1998 12:32:14 -0600
From: tom whalen <whalen@swcp.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [9363] QRPTTF, SST, RR mobile

Message-ID: <354620AE.6F70@swcp.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hello QRPer's!!

Sure have enjoyed reading all the post regarding the QRPTTF. Myself, I did not get to operate but maybe a half hour of the contest, due to changing plans...Story of my life!

Just finished my SST-30!! No smoke and fired right up!! First contact was with W6JRL nr San Diego and got a 579 from him. This rig is little but has big rig performance.

Will be going RR mobile soon with the SST. Will post time and freq. as soon as I get an antenna for the test.

72, Tom WB5QYT

Date: Tue, 28 Apr 1998 11:49:39 -0700 (MST)
From: Joe Gervais <vole@primenet.com>
To: qrp-1@Lehigh.EDU
Subject: [9364] Re: The Equalizer: ANTENNA Multipliers
Message-ID: <199804281849.LAA21669@usr05.primenet.com>

Howdy,

Ed (WE6W) wrote:

>
> But the premise of my thoughts are still: How can a
> multiplier be applied such that worse the antenna,
> the higher the multiplier. Just to balance things out?
>
> Formula: BAND In Meters DIVIDED BY (Ant Height + Ant Length)

Abandon ship, Ed. :-) Sometimes a lower antenna is far superior to a higher one. If 40m is short, that low dipole is going to be more effective than some towering monster. And what about ground-mounted verts? Mine kicks butt (beat KU7Y in the Fox Hunt *hee hee* ;-)), but obviously it ain't too high.

Unless you force everyone to do a detailed analysis

of the entire RF field of their radiator(s), cross-referenced with which condx per band were most favorable (in azimuth and bearing) throughout the day, at high-resolution time sampling....

Yeah, you get the idea. ;-)

While the sentiment to help the "antenna impaired" is well-intentioned, it's a can of worms so tangled that not even the hungriest of birds would be wise to mess with it.

What about folks with better filtering in the their rigs? Better front-ends? RIT? DSP units? Better hearing/op skills/local QRN? No kids interrupting during a contest? I've always thought there should be a "Domestic QRM" multi. :) And on and on and on. Ugly.

Radiate as best you can, given your circumstances. Let the fun follow.

Cheers de AB7TT,

-Joe, vole@primenet.com, AZ ScQRPions (Phoenix)

"And that, my Liege, is how we know the Earth to be banana-shaped." -- Monty Python and the Holy Grail

Date: Tue, 28 Apr 1998 11:54:12 -0700 (PDT)
From: Monte Stark <ku7y@dri.edu>
To: RangerSF5 <RangerSF5@aol.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [9365] Re: Need info on QRP logo
Message-ID: <Pine.SOL.3.96.980428115314.5247B-1000000@vortex>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Tue, 28 Apr 1998, RangerSF5 wrote:

> Hi gang
> Can someone tell me what club has the logo, a number 5 with the top extended
> out and up under that extension???

Hi Bob,

That is the logo of the QRP ARCI. Most all of the QSL card printers have it.

73, Ron, SOWP 5545M,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@sage.dri.edu.....Washoe Lake, Nevada....
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

Date: Tue, 28 Apr 1998 14:56:07 -0400 (EDT)
From: Bob Patten <n4bp@bc.seflin.org>
To: "D.K. Philbin" <dphilbin@slonet.org>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [9366] Re: Help finding Hamstick 20 meter antenna and mag mount
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Tue, 28 Apr 1998, D.K. Philbin wrote:

>
> I only have an older qst on hand (I am not very mobile today..I broke my
> ankle on Sunday and it is a bit tough to get around) and the
> phone number for the lakeview Company is no longer in service. I have
> called some other companies listed in qst and they do not have
> the hamstick in stock.
I just received a Lakeview catalog in the mail yesterday, so the phone
number listed should be good. :-)

(864) 226-4565

They also receive e-mail at hamstick@hamstick.com
and have a web site: <http://www.hamstick.com>

I used their tri-magnet mobile mount this past weekend in the Florida QSO
Party. It is the smaller one, not the new one featured under "New
Products" in QST. On it I had a Hustler mast with three resonators
including the "super" version for 40 Meters. It was tremendously top
heavy, but withstood 750 miles of mobiling over the weekend without a hitch.

73,

Bob Patten, N4BP

(0 0)

Plantation, FL

-----o00o-()-o00-----

recently where the crew received access to a large not-yet-used-for-anything cellular tower with a 20x20' platform (or more) up top.

The tower was 300' tall.

The antennas were mounted at or BELOW the 200' level to make sure they wouldn't miss anyone :)

It's also quite true that a large number of antennae, at different heights, is ideal for working everyone. No one antenna is the perfect solution to any problem.

* Scott Rosenfeld NF3I Burtonsville, MD FM19mc QRV 80-10/6/2/440 *
* 6m 82 grids on 8w * DXCC WAS WAC * QRP-L #147 * QRP ARCI #9054 *
* <http://w3eax.umd.edu/~ham> * ARRL Life Member /Laurel ARC/UMARA *
*** 301-549-1022 h 301-982-1015 w *** 35 wpm HF mobile CW Neon ***

On Tue, 28 Apr 1998, Joe Gervais wrote:

>
> Howdy,
>
> Ed (WE6W) wrote:
> >
> > But the premise of my thoughts are still: How can a
> > multiplier be applied such that worse the antenna,
> > the higher the multiplier. Just to balance things out?
> >
> > Formula: BAND In Meters DIVIDED BY (Ant Height + Ant Length)
>
> Abandon ship, Ed. :-) Sometimes a lower antenna is
> far superior to a higher one. If 40m is short, that
> low dipole is going to be more effective than some
> towering monster. And what about ground-mounted verts?
> Mine kicks butt (beat KU7Y in the Fox Hunt *hee hee* ;-) ,
> but obviously it ain't too high.
>
> Unless you force everyone to do a detailed analysis
> of the entire RF field of their radiator(s), cross-
> referenced with which condx per band were most
> favorable (in azimuth and bearing) throughout the
> day, at high-resolution time sampling....
>
> Yeah, you get the idea. ;-)
>
> While the sentiment to help the "antenna impaired"
> is well-intentioned, it's a can of worms so tangled

> that not even the hungriest of birds would be wise
> to mess with it.
>
> What about folks with better filtering in the their
> rigs? Better front-ends? RIT? DSP units? Better
> hearing/op skills/local QRN? No kids interrupting
> during a contest? I've always thought there should
> be a "Domestic QRM" multi. :) And on and on and on.
> Ugly.
>
> Radiate as best you can, given your circumstances.
> Let the fun follow.
>
> Cheers de AB7TT,
>
> -Joe, vole@primenet.com, AZ ScQRPions (Phoenix)
>
> "And that, my Liege, is how we know the Earth
> to be banana-shaped." -- Monty Python and the Holy Grail
>

Date: Tue, 28 Apr 1998 15:08:27 -0400 (EDT)
From: Bob Patten <n4bp@bc.seflin.org>
To: Joe Gervais <vole@primenet.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [9369] Re: The Equalizer: ANTENNA Multipliers
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Tue, 28 Apr 1998, Joe Gervais wrote:

>
> Abandon ship, Ed. :-) Sometimes a lower antenna is
> far superior to a higher one. If 40m is short, that
> low dipole is going to be more effective than some
> towering monster. And what about ground-mounted verts?
> Mine kicks butt (beat KU7Y in the Fox Hunt *hee hee* ;-) ,
> but obviously it ain't too high.
>

You got that right, Joe! My ugly Field Day vertical, ground mounted in
the FL Keys will easily match my TH7-DXX @ 45 feet from home...

73,

Bob Patten, N4BP

, ' ' ' ,

(0 0)

Plantation, FL

-----o00o-()-o00-----

E-Mail: n4bp@bc.seflin.org
Web Page: <http://wg104a.wh.uni-stuttgart.de/~n4bp>
Brass Pounder BBS: (954) 472-7715

Date: Tue, 28 Apr 1998 12:14:22 -0700 (PDT)
From: Monte Stark <ku7y@dri.edu>
To: Ed Loranger <we6w@qsl.net>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [9370] Re: The Equalizer: ANTENNA Multipliers
Message-ID: <Pine.SOL.3.96.980428120011.5247D-100000@vortex>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi Ed,

Just doesn't work that easy! Joe points out some good examples.

Any system that rewards more multi's for poorer antennas is going to be a hard sell.

Just what is the "best" antenna to use? That will change from minute to minute (sometimes!).

I could question why we don't get a multi for having a long feed line. After all, I loose power in it! :-)

I have always felt that measuring the output power is a poor way to do things too. This is a spin off from the early days of SSB. It was just applied to CW also.

But stop to think about this.....

QRP contests should reward the person who does the most with a given amount of power. One term for this is "efficiency".

Right now one of the few areas we can go for more efficiency is in the antennas. Who cares about the rigs efficiency? That is only looked at for battery life.

But if we used input power then the designers would have another reason to be efficient!

How about total input power to the radio as the limit? Then the whole rig would need to be efficient!

Oh, one more thing about antennas. We have control over what we have for antennas. I chose to drive 30 miles to work so that I can have a tower/antenna.

It has also taken me over 45 years to be able to do it. So I don't accept the excuses that "I can't have an antenna"! That might be true until you can make all the changes needed, but that just makes it feel so good when it happens!!

OK, back in my hole....

73, Ron, SOWP 5545M,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@sage.dri.edu.....Washoe Lake, Nevada.....
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

Date: Tue, 28 Apr 1998 19:15:47 +0000
From: Ed Loranger <we6w@qsl.net>
To: n4xy@att.net
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [9371] Re: The Equalizer: ANTENNA Multipliers
Message-ID: <35462AE3.5CB5@qsl.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Actually, the reward would be minimal, since the 'worst' antenna would net very few contacts. If you look at my numbers, the multipliers are fairly small.

The point would be design of small antennas that were optimized to actually work well. The intent is not to load up a 12 inch spaghetti noodle dipped in olive oil....

Although I've heard that antenna is pretty slick.

:)

-Ed

Ed Tanton wrote:

>

> Excuse me-and no offense mean Ed-but since when should an operator be
> rewarded for what would amount to doing the least work in the worst way?
<snip>

--

72, Ed, WE6W/qrp CW ONLY; Proud Member: QRP-L/ARCI/Norcal/ARS/AR
<http://www.qsl.net/we6w> (Enjoying Ham Radio every day.)

Date: Tue, 28 Apr 1998 13:13:13 -0600
From: Larry East <w1hue@amsat.org>
To: qrp-l@Lehigh.EDU, homebrew@qth.net
Subject: [9372] RE: Stuff for Sale
Message-ID: <3.0.3.32.19980428131313.00933910@axp1>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

The Power Panel and BC-221 are sold, and a local ham has offered to haul
off my boatanchor amp. No bites on the GlassMike caps tho -- anyone want to
make an offer? :-) (info follows)

>I have 28 assorted "Glass Mike" high voltage capacitors looking for a new
home. Most of them are either 0.1uF or 0.05uF, 5kV units, but there are
some smaller values with voltage ratings ranging from 2kV to 15kV. You can
have the whole batch for \$25 including shipping in the US. If more than one
person is interested, I can break (figuratively speaking...) them into two
batches (14 caps, more-or-less even distribution of values) for \$15/batch
shipped in the US.

>

72/73, Larry W1HUE/7

Date: Tue, 28 Apr 1998 12:40:53 -0700 (PDT)
From: KC5TJA <kc5tja@topaz.axisinternet.com>
To: Monte Stark <ku7y@dri.edu>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [9373] Re: The Equalizer: ANTENNA Multipliers
Message-ID: <Pine.LNX.3.96.980428123616.32239A-100000@topaz.axisinternet.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I've never taken part in any competition except field day (and those who tell me it's not a competition is full of it, for if it truly weren't, why would K5TYP be so interested in how many points it received?), but it seems to be that if you truly want point multipliers, use the mile/watt gauge. The greater the mile/watt of your QSOs, the more of a multiplier you get.

THAT is what will ultimately get people to use less power during contests, that's for sure.

```
=====
KC5TJA/6      |                      -| TEAM DOLPHIN |-
DM13          |                      Samuel A. Falvo II
QRP-L #1447   |                      http://www.dolphin.openprojects.net
=====
```

Date: Tue, 28 Apr 1998 13:54:39 -0600
From: Mal Goosey <goose@imt.net>
To: qrp-l@Lehigh.EDU
Subject: [9374] qrpddf
Message-ID: <3.0.3.16.19980428135439.150790ee@imt.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Upon seeing the various opinions on "what to count as a valid contact" in qrpddf, I must confess that the actual location of my antenna for this operation was in Montana. I drove over 50 miles to be "close" to the Wyoming border, and gave MT and WY in my exchange. The actual choice for the operating site was determined more by the esthetic values. I was parked beside the clear, cold, Gallatin river, whose chuckle was a nice diversion from listening to what was mostly noise in the headphones :-). I made 17 Q's in some 4.5 hours, but still had lots of fun, so would do it again tomorrow. If any of my contacts needs a "valid" Wyoming QSO, I will be happy to make a sked and put my 1/4 wave vertical with tuned-elevated radials on genuine WY soil ;-)
Mal Goosey N7GS

Date: Tue, 28 Apr 1998 14:44:43 -0500
From: Ed Manuel <n5em@flash.net>
To: qrp-l@Lehigh.EDU

Subject: [9375] Re: The Equalizer: ANTENNA Multipliers
Message-ID: <3.0.5.32.19980428144443.00937280@pop.flash.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

>Just what is the "best" antenna to use? That will change from
>minute to minute (sometimes!).

And, with that regard, I always prefer to have more than one antenna during a contest for diversity. So, if they are different, and work different, would that mean that I have to log the antenna used for each contact - so that the correct multiplier for each QSO could be applied? In the heat of battle, I forget to even try different antennas, much less write another entry in the log. Could be done but it adds overhead.

Ed, N5EM

Ed Manuel, N5EM
Houston, Texas
n5em@amsat.org
n5em@flash.net

Date: Tue, 28 Apr 1998 16:01:32 EDT
From: FrConrad <FrConrad@aol.com>
To: qrp-1@Lehigh.EDU
Subject: [9376] Re: The Equalizer
Message-ID: <9b744c75.3546359d@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

Here's another good idea to level the contest playing field.

How about a contest multiplier for slow code?

Take the "contest standard" as 35 WPM. For each five words per minute under the standard you copy, double the final net score.

Example:

36,000 points gross x 15wpm code ability = 576,000 points!

Now that would make even me competitive :-).

John+
WB6MFS

Date: Tue, 28 Apr 1998 15:08:40
From: Roger Braker <msebrakr@telepath.com>
To: "Carlos J. Caro" <cjcaro@email.msn.com>
Cc: qrp-1@Lehigh.EDU
Subject: [9377] Re: band plans
Message-ID: <3.0.1.16.19980428150840.4d2759fc@telepath.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

No, I did not take your letter personally. Our government CAN NOT make an agency against our constitution regardless of how much confusion it might prevent. At least they are not supposed to. The rest of the world should not have a say in America until we start a war or harass another country, unprovoked. In case you didn't know, we do not live in a democracy, but rather, in a republic. More regulation is one step closer to socialism and a one world government.

>Regardless of our own rights, the rest of the world has a say in this. The
>part of the electromagnetic spectrum we use is INTERNATIONAL. That means
>that the FCC has been created by our government to regulate the agreements
>we have made in concert with the rest of the world. True democracy is one
>step removed from anarchy. Most here would cite the example of the (11
>meter) CB band.

>Have you read any accounts of the disasters/severe weather
>we have had this past winter?
Yes, I most certainly have.

In just about every case, the state of the
>art, expensive emergency comm systems have been overloaded and made u of
>

Hey, I also agree that the IRS is unconstitutional and should be abolished.
The IRS and the FCC are only one of many agencies which should be
dispelled. Yes, I have read the 16th amendment.

>the early history of radio from the end of WWI to the mid 30's. If you want
>to spend time and energy to get rid of a Federal Agency, try to work on the
>IRS. But lets not ruin one of the few international areas of agreement that
>actually works very well considering the complex nature of the whole.

>That was a bit more than .02 cents worth, about 6 bits worth and hope you
>dont take it personally, just wanted to get the other side stated.

73,
Arnold kd5ckh/ag

Date: Tue, 28 Apr 1998 20:11:28 +0000
From: Ed Loranger <we6w@qsl.net>
To: n5em@flash.net
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [9378] Re: The Equalizer: ANTENNA Multipliers
Message-ID: <354637F0.612B@qsl.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Multiple antennas on single band:Use the lowest multiplier.

OK Folks. (Make it stop, Mommy :)

I guess we're gonna have to find another way to
incite experimentation and evaluation of
short antennas.

Hey, I tried. Wouldn't it be great to know
that that bicycle mobile antenna was the result
of many tried-n-true QRP contests where you
know the ant. is optimized? Homebrew. And doesn't
feed someone else's bank account?

A lot of excellent responses folks! Good job. I guess
it was a nice thought, but CAN the ant. multiplier!

Let's see, how abt. the ratio of nearest mountain peaks
to the lowest point divided by the average height of
antennas used in your area then multiplied by the
length of feedline less than 50 feet and this result
reduced by 10^number of stories your QTH has on a
wednesday when 2 moons are visible in the same month,
in odd years.

Or, just listen for me on 7040 every night and we'll

try a rag chew.

dit dit

--

72, Ed, WE6W/qrp CW ONLY; Proud Member: QRP-L/ARCI/Norcal/ARS/AR
<http://www.qsl.net/we6w> (Enjoying Ham Radio every day.)

Date: Tue, 28 Apr 1998 15:13:55
From: Roger Braker <msebrakr@telepath.com>
To: chunt@macromedia.com
Cc: qrp-l@Lehigh.EDU
Subject: [9379] Re: band plans
Message-ID: <3.0.1.16.19980428151355.3747bf42@telepath.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Not having anywhere to speak is just as good as not being able to speak.
Regulate all the "platforms" and you regulate the right to speak. The FCC
DOES control what you can say(codes and ciphers, distress calls, obscene
language ect.) which is NOT free speech. The first amendment also gives
freedom of the press wich the FCC controls.

I'll go away now and let politics alone. No more soapboxes for me...at
least for now:-)

73,
Arnold kd5ckh/ag

At 03:00 PM 4/27/98 -0800, you wrote:

The First Amendment guarantees your right to speak, it DOES NOT give you a
>platform to speak from. The FCC regulates the platform. If you deregulate,
>you get a situation where there is only one outcome: He with the most
>powerful transmitter wins. Which generally equates to he who has the most
>money, which again, usually means large corporations. So, it would only
>make things worse. We are protected by the FCC from these corporations, who
>would not hesitate to crush us in order to make a buck.

>
>72/73 de KF6IHU - Christian

>
>
>
>
>

Date: Tue, 28 Apr 1998 16:11:03 -0400
From: "Vincent Ferme" <vferme@sprint.ca>
To: <qrp-1@Lehigh.EDU>
Subject: [9380] WTB: Book "Amateur Radio Techniques" by P. Hawker, RSGB.
Message-ID: <014a01bd72e1\$c5fef370\$891005d1@frsswilap04284.callnetcanada.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

If you have one and can live without I want to hear from you.

73/72 de Vince, VE3VFN.

Date: Tue, 28 Apr 1998 13:26:45 -0700 (PDT)
From: Monte Stark <ku7y@dri.edu>
To: KC5TJA <kc5tja@topaz.axisinternet.com>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [9381] Re: The Equalizer: ANTENNA Multipliers
Message-ID: <Pine.SOL.3.96.980428131612.5667B-100000@vortex>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Tue, 28 Apr 1998, KC5TJA wrote:

>
> seems to be that if you truly want point multipliers, use the mile/watt
> gauge. The greater the mile/watt of your QSOs, the more of a multiplier
> you get.
>
> *THAT* is what will ultimately get people to use less power during
> contests, that's for sure.

You should try the Stu Perry (sp?) 160m contest. This uses the distance
between the two stations to figure the points!

Then there is the Western Washington DX club that puts on the Crooked
Stick contest each year. In that one, at least one of the supports
for the antenna MUST be a crooked stick!!

There are almost as many "types" of contests as there are people

willing to enjoy contesting!

And there is NO BETTER or FASTER way to improve CW skills than contesting!!

Some of us are even silly enough to think they are fun too!! :-)

cul,

73, Ron, SOWP 5545M,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@sage.dri.edu.....Washoe Lake, Nevada....
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

Date: Tue, 28 Apr 1998 15:28:00 -0500
From: Mike Martin <mmartin@netins.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [9382] Re: band plans, upgrading, and mixed modes.
Message-ID: <35463BC7.BD754B70@netins.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

olyellr@iglou.com wrote:

> When that happens we can all just start calling "CQ Good buddy, CQ CQ 10-4"
>

Been on 2-meters lately??

Mike
KA0AMA
QRP-L #1506
Galesburg, IA

Date: Tue, 28 Apr 1998 15:33:40 -0500 (CDT)
From: jdenison@morelr.com (JOEL DENISON)

To: qrp-1@Lehigh.EDU
Subject: [9383] wire/rope/yagi updated
Message-ID: <199804282033.PAA14304@m20.morelr.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hi gang:

Been some changes here... I put a two element "horizontal" wire/rope/ yagi with .1 spacing pointing toward alaska... been working many stateside stations... great rst reports...

I just put up another two element "horizontal" wire/rope/yagi that is pointed more towards the lower 47... :-)) so far it seems to favor stateside by a few s units...

Been making believers on the century club 40mtr ssb early net... I seem to be able to "see" more possibilities as I go along here... dipoles and loops are great antennas and they seem to work even better when used by the twos or threes...

give me wire/rope/trees and a good qrp rig and ...

72

joel in maine north of dixey trying to "get out" :-))

God Bless
Joel

WA5CVM	Gentlemen don't Cry, They QSY :-))
Joel Denison	Gentle Lady (RC Sail Plane)(049 engine - start)
PO BOX 542	Vertical 3 elm Yagi 30mtr & 40mtr
Strong, Maine 04983	QRP ARCI 4066 NEW ENGLAND QRP 476 QRP-L 765
jdenison@morelr.com	AK/QRP 109

Date: Tue, 28 Apr 1998 13:40:19 -0700 (PDT)
From: KC5TJA <kc5tja@topaz.axisinternet.com>
To: Monte Stark <ku7y@dri.edu>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [9384] Re: The Equalizer: ANTENNA Multipliers
Message-ID: <Pine.LNX.3.96.980428133343.4031A-100000@topaz.axisinternet.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

> You should try the Stu Perry (sp?) 160m contest. This uses the distance
> between the two stations to figure the points!
>
> Then there is the Western Washington DX club that puts on the Crooked

> Stick contest each year. In that one, at least one of the supports
> for the antenna MUST be a crooked stick!!

Ahh..but do any of these promote QRP? ;-) Besides, if a body like the ARRL adopts a miles-per-watt multiplier, I'm sure that a HUGE amount of people would suddenly flock to QRP, which would make all the bands so much nicer...

> There are almost as many "types" of contests as there are people
> willing to enjoy contesting!

I want to make a contest where you MUST be eating a peanut butter and jelly sandwich while operating. A minimum of four sandwiches must be eaten. ;D

(obvious sarcasm, I hope... :D)

> And there is NO BETTER or FASTER way to improve CW skills than
> contesting!!

I beg to differ. I find contesting abhorrently distracting. I find there's no better way to improve CW skills than to have a relaxed QSO with a friend or two. Work your code speeds up at a leisurely pace.

> Some of us are even silly enough to think they are fun too!! :-)

I hate contests with a passion...they are so aggrivating.

My very first QSO was rudely interrupted when a whole crapload of 35wpm+ operators decided to call CQ to me while I was struggling at 2 maybe 3 wpm. I had no choice but to turn on the linear amplifier (a full 1500W), and tell them all to leave me alone (politely, of course), and that I am not a contester.

Ironically, instead of leaving, most just slowed their speed to 5wpm, and joined in the conversation... ;)

(Of course, I didn't know it at the time, but I was inadvertently having a QSO on the extra band segment. The radio's frequency display was miscalibrated! OOPS! Don't tell anyone though... :D)

```
=====
KC5TJA/6      |                -| TEAM DOLPHIN |-
DM13          |                Samuel A. Falvo II
QRP-L #1447   |                http://www.dolphin.openprojects.net
```

Date: Tue, 28 Apr 1998 16:47:30 -0400 (EDT)
From: "Jerry W. O'Dell" <psyodell@mail.provide.net>
To: qrp-1@Lehigh.EDU
Subject: [9385] query
Message-ID: <199804282047.QAA18017@mail.provide.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

No not a bad joke, but frequently when I'm on 40cw,
and I call CQ or QRL or anything someone simply sends

"?" (a single question mark).

No id, no nothing.

Obviously it's a query, but what the devil does it mean?
I don't think it's a recognized telegraphic symbol,
and it certainly isn't a Q-code (I don't know 90% of those
anyhow).

Must have happened to me 20 times this afternoon, all from
different stations. I call CQ CQ CQ de W8GND and I get a
"?".

Something slipped me by!

73 jerry w8gnd

Date: Tue, 28 Apr 1998 16:51:16 -0400
From: Ed <edn4pk@VoyagerOnline.net>
To: QRP <qrp-1@Lehigh.EDU>
Subject: [9386] [Fwd: Going to Smithsonian, NN3SI, Thursday April 30]
Message-ID: <35464144.3DD951A1@VoyagerOnline.net>
MIME-Version: 1.0
Content-Type: multipart/mixed; boundary="-----FBE07306D0E23ED77B66490A"

This is a multi-part message in MIME format.

-----FBE07306D0E23ED77B66490A

Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

-----FBE07306D0E23ED77B66490A

Content-Type: message/rfc822
Content-Transfer-Encoding: 7bit
Content-Disposition: inline

Message-ID: <3546411D.2EC168B4@VoyagerOnline.net>
Date: Tue, 28 Apr 1998 16:50:37 -0400
From: Ed <edn4pk@VoyagerOnline.net>
Reply-To: edn4pk@VoyagerOnline.net
X-Mailer: Mozilla 4.04 [en] (Win95; I)
MIME-Version: 1.0
To: ham@w3eax.umd.edu
Subject: Re: Going to Smithsonian, NN3SI, Thursday April 30
References: <Pine.LNX.3.95.980428111035.26007B-100000@w3eax.umd.edu>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Scott, my good friend Jim (kj3l) and I operated NN3SI back in the late '70s. Hope you have as much fun as we did !!!! What a hoot on 40 cw... Don't forget that you *must* QSL all qso's b4 you leave.....Have fun and it is an experience I will never forget..
Ed N4PK (ex ka3aws-kb3hb) ..

-----FBE07306D0E23ED77B66490A--

Date: Tue, 28 Apr 1998 21:00:46 +0000
From: Ed Loranger <we6w@qsl.net>
To: psyodell@mail.provide.net
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [9387] Re: query
Message-ID: <3546437E.4341@qsl.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Usually the operator wants a repeat of your callsign.

At least that's what I do, I repeat my call and end up getting a nice qso.

-Ed
--

72, Ed, WE6W/qrp CW ONLY; Proud Member: QRP-L/ARCI/Norcal/ARS/AR
<http://www.qsl.net/we6w> (Enjoying Ham Radio every day.)

Date: Tue, 28 Apr 1998 14:02:52 -0700 (MST)
From: Joe Gervais <vole@primenet.com>
To: psyodell@mail.provide.net
Cc: qrp-1@Lehigh.EDU
Subject: [9388] Re: query
Message-ID: <199804282102.0AA28180@usr05.primenet.com>

Howdy,

Jerry (W8GND) wrote:

>
> Must have happened to me 20 times this afternoon, all from
> different stations. I call CQ CQ CQ de W8GND and I get a
> "?".

I interpret it as, "I just heard part of your call but missed some of it - pse agn?" Or if you haven't sent your call yet, consider it a "Who's there?"

Lets you know someone's there ready to copy, and you don't have to send a whole CQ sequence again. I respond be sending "DE AB7TT TEST" in a contest, for example.

But then again, I swore I saw Elvis in my PBJ sammich this mornin', so maybe I see the world differently from others. :)

Cheers de AB7TT,

-Joe, vole@primenet.com, AZ ScQRPions (Phoenix)

"And that, my Liege, is how we know the Earth to be banana-shaped." -- Monty Python and the Holy Grail

Date: Tue, 28 Apr 1998 17:12:07 -0400
From: jim nestor <nestoji@home.com>
To: qrp-1@Lehigh.EDU
Subject: [9389] Re: query
Message-ID: <19980428211540.AAA6799@cc652944-a.ewndsr1.nj.home.com>
Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

Jerry, W8GND wrote

>No not a bad joke, but frequently when I'm on 40cw,
>and I call CQ or QRL or anything someone simply sends
>
>"?" (a single question mark).
>
>Obviously it's a query, but what the devil does it mean?

Jerry,

I have heard (and sometimes used) the "naked" question mark as a shorthand for lots of things. For instance,

"Huh"?
"Who Dat?"
"Say again"
"did ya get it?"

Sometimes it even appears in place of "QSL?", for example when condx are rough and you've repeated your contest info a few times and want to know if the other fellow got it - "449 449 NJ NJ NR 5831 5831 ?"

It's probably not a Q signal or anything else "official", but it is widely used. I first learned it from the late W8EAO, Corky, a retired Navy Chief radio op and the best CW man I ever met.

That's my \$.02 worth. Maybe somebody else has a different insight into the mysterious "dih dee dah dah didit."

?

72,

Jim, WK8G/2
nestoji@home.com

Date: Tue, 28 Apr 1998 14:22:45 -0700
From: Jeff Grudin <grudin@pacific.vdbs.com>
To: QRP-L <qrp-l@Lehigh.EDU>
Subject: [9390] RE: Query

Message-ID: <354648A5.5739@vdbbs.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I think I always take it as you guy's have to mean the person there didn't catch enough of what you sent to call you back, pse repeat your call.

One thing I haven't quite figured out is when you send QRL? and get the reply "NO". Does that mean the frequency isn't busy and I have nothing better to do then sit here and let people know that? or NO don't even think about using this frequency.

--

73 de Jeff AC6KW
grudin@vdbbs.com

Private Practice : Companion Animals and Exotics
Ocean Animal Clinic / Cat Clinic of Santa Cruz
Santa Cruz, California

Norcal QRP #1292 QRP-L #16 ARS #351
AR Qrp #131 Bumble Bee #19

QRP'ers do it with less energy (but lot's of enthusiasm)!

Date: Tue, 28 Apr 1998 16:31:11 -0500
From: "Tim, KD5CKP" <kd5ckp@bellsouth.net>
To: qrp-l@Lehigh.EDU
Subject: [9391] Re: The Equalizer
Message-ID: <35464A9F.5BF@bellsouth.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

> How about a contest multiplier for slow code?
>
> Take the "contest standard" as 35 WPM. For each five words per minute under
> the standard you copy, double the final net score.
>
> Example:
>
> 36,000 points gross x 15wpm code ability = 576,000 points!
>

> Now that would make even me competitive :-).
>
> John+
> WB6MFS

Makes me incredibly competitive. HI! HI!

73

Tim

--

```
*****
* KD5CKP
* Tim Billingsley           Grid# EM54bw
* QRP-L #1510               mailto:kd5ckp@bellsouth.net
* http://personal.mem.bellsouth.net/~kd5ckp/Index.htm
* "Everything looks impossible for the people who never try anything."
*   Dr Jean-Louis Etienne
*****
```

Date: Tue, 28 Apr 1998 21:29:46 +0000
From: "Lageson's" <LAGESON@worldnet.att.net>
To: qrp-l@Lehigh.EDU
Subject: [9392] QRPTTF-NOUR
Message-ID: <19980428212940.AAC16651@LOCALNAME>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Just a quick note on what really happened. First, don't tell us about wind. The best part of the trip was the guy who owned the land where we set up. The road to the border ended about 1/4 mile from the actual border, but there was a small farm road which would lead us there. Not too far away was a small farm, and it looked like someone was home so we decided we better ask permission to go on his property. I don't know about you but I hate strangers knocking on my door, and I didn't know the best way to approach him with our idea.

Well this young man (Stacey) answered the door, and it looked like we had woke him up. I quickly told what we would like to do, he just smiled and said "come on in",.... this was good! I first notice holster and a revolver with a belt full of bullets hanging on the chair in the kitchen, then the rifles and shotguns hanging on the wall, we just smiled while he got dressed and thought.. no tvi...no tvi.

Stacey took us down and showed us just where the border was, the best way

to get down there, and where not to go because there was still soft ground. There in front of us was "the border", the Boies de Sioux on the MN side and a drainage ditch between SD and ND. The closest we could get, without carrying everything across a muddy field by hand, was 100 yards. With the wx forecast we stuck with the van 100 yards east, did I mention the wind??

To make a long story short, it rained off and on all afternoon, I tried not to think about it, but this field was getting muddy. We'll be fine I kept telling myself. The rain let up about 2300Z so we thought we better start taking down the R-7 vertical we were using. We got packed up, then came the moment of truth, I put it in drive, slowly pressed on the gas...and nothing, we just spun, it wasn't even close, we were stuck! I didn't want to, but Stacey was our only hope. Of course it had started to rain again while I ran up to the farm. Stacey opened the door, warm and dry with a beer in his hand and said "come on in". As I started to tell him about our problem he pulled on his boots, before I could even ask him if he would pull us out he said "get in the truck", when I started to tell him how much we were willing to pay he said "bullshit".

It didn't take very long to get us out, lots of flying mud spraying my van. He still would not take any money, so I took all the cash I had and threw it in the cab of his truck. He did let me take a photo of him and Larry in front of my muddy van. We were wet and full of mud, but they still served us lasagna and beer in Wheaton, where, by the way, we met the other MN-ND-SD (kind of on the border) station WQQF for coffee.

We did take some photos and Larry is going to make up some QSL's so let us know if you would like one. Oh yea, the contest was fun, if we win any "wallpaper" I'm going to give it to Stacey.

73's, Jim (NOUR) & Larry (KBOR)

Date: Tue, 28 Apr 1998 21:29:44 +0000
From: "Lageson's" <LAGESON@worldnet.att.net>
To: KBOR <KBOR@aol.com>, qrp-1@Lehigh.EDU
Subject: [9393] Re: My address is
Message-ID: <19980428212940.AAB16651@LOCALNAME>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 11:53 PM 4/26/98 EDT, you wrote:

>Larry Gaalaas
>2620 Kenzie Terrace #127
>St Anthony, MN 55418

>
>
>I enjoyed your press release!!!
>And I really had fun yesterday.

Thanks Larry....the film that was in my camera was from "seattle filmworks" and only they can process it so it will be awhile before I get the photos back. I've had a few requests for qsl's already so keep thinking of ideas.

CUL,

Jim

Date: Tue, 28 Apr 1998 15:16:55 -0600
From: "Hulbert, Nick" <nick.hulbert@lmco.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>, Roger Braker <msebrakr@telepath.com>
Subject: [9394] RE: band plans
Message-ID: <5104C9F8B0B5D1118C250000F8062537488B16@emss02m13.ems.lmco.com>
Content-return: allowed
MIME-version: 1.0
Content-type: text/plain; charset="iso-8859-1"

Hey! You guys want to inspect an unconstitutional Government agency with more potential danger than the IRS and FCC combined....take a look at FEMA!!

Date: Tue, 28 Apr 1998 21:37:22 +0000
From: Ed Loranger <we6w@qsl.net>
To: psyodell@mail.provide.net
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [9395] Re: query
Message-ID: <35464C12.5540@qsl.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

OH. I have heard the "?" used on the novice band a lot.

My son was trying for his first ever Field day QSO. Took him seemingly f-o-r-e-v.....eeeeeeeeee f-o-rll eeeeeeeee

for...forever to get his call out. Geez, but he did finally get his callsign out there.

Then somebody in the background: Di-di-Da-da-di-dit.

All over again.

?
again.
?

Maybe it is me, but I felt like my son was being played with. You know, struggle to get out the code, then make the new guy do it again.

I think this is an exception. 1/100 might be playin' with the qrp'er. The rest just missed the callsign due to a static crash.

-Ed

--

72, Ed, WE6W/qrp CW ONLY; Proud Member: QRP-L/ARCI/Norcal/ARS/AR
<http://www.qsl.net/we6w> (Enjoying Ham Radio every day.)

Date: Tue, 28 Apr 1998 17:38:55 -0400 (EDT)
From: "Jerry W. O'Dell" <psyodell@mail.provide.net>
To: qrp-l@Lehigh.EDU
Subject: [9396] question mark
Message-ID: <199804282138.RAA29207@mail.provide.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Gee, I got lots of nice answers. None definitive.

I suspect it is a generation gap business. Older hams simply don't recognize unidentified transmissions. (well I don't). And especially, I don't recognize things that make no sense.

I have heard younger fellas say that they don't have to identify in any way for 10 minutes, and I think they're right technically. But I won't talk to them.

Enough -- this could become a flame war. Be forewarned -- if you send "?" on 7.035 (my private frequency, issued

by the FCC), I ain't gonna answer

73 jerry W8GND

Date: Tue, 28 Apr 1998 14:43:41 -0700 (PDT)
From: Monte Stark <ku7y@dri.edu>
To: Joe Gervais <vole@primenet.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [9397] Re: query
Message-ID: <Pine.SOL.3.96.980428144222.5817E-1000000@vortex>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Tue, 28 Apr 1998, Joe Gervais wrote:

>
> > Must have happened to me 20 times this afternoon, all from
> > different stations. I call CQ CQ CQ de W8GND and I get a
> > "?".

I have often sent QRL? and got a "?" and all I do is send my
call and most of the time a good QSO is started without the
need of CQing!!

73, Ron, SOWP 5545M,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@sage.dri.edu.....Washoe Lake, Nevada....
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

Date: Tue, 28 Apr 1998 15:28:31 -0500
From: ab5uacw@juno.com (Clifton W Sikes)
To: LAGESON@worldnet.att.net
Cc: qrp-l@Lehigh.EDU
Subject: [9398] Re: QRPTTF-NOUR
Message-ID: <19980428.152833.6734.2.ab5uacw@juno.com>

Jim,

You and Stacey win the prize!!!!!!! Joe, give him a 1000 multiplier:-)

Clif

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com>
Or call Juno at (800) 654-JUNO [654-5866]

Date: Tue, 28 Apr 1998 14:50:27 -0700 (PDT)
From: Monte Stark <ku7y@dri.edu>
To: "Jerry W. O'Dell" <psyodell@mail.provide.net>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [9399] Re: question mark
Message-ID: <Pine.SOL.3.96.980428144935.5817G-100000@vortex>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Tue, 28 Apr 1998, Jerry W. O'Dell wrote:

> if you send "?" on 7.035 (my private frequency, issued
> by the FCC), I ain't gonna answer

Well, at least I'll know who I'm not talking to!

: -)

73, Ron, SOWP 5545M,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@sage.dri.edu.....Washoe Lake, Nevada....
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

Date: Tue, 28 Apr 1998 14:45:29 -0700 (PDT)
From: KC5TJA <kc5tja@topaz.axisinternet.com>
To: "Jerry W. O'Dell" <psyodell@mail.provide.net>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [9400] Re: question mark
Message-ID: <Pine.LNX.3.96.980428144221.7122D-100000@topaz.axisinternet.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII


```
> I have heard younger fellas say that they don't have to
> identify in any way for 10 minutes, and I think they're
> right technically. But I won't talk to them.
```

Wrong. When anyone broadcasts, they need not identify except every ten minutes "during the course of a conversation", and absolutely ALWAYS at the end of a QSO. Broadcasting a single "?" without identifying is, under this interpretation of the law, illegal by part 97 rules and regulations.

```
> Enough -- this could become a flame war. Be forewarned --
> if you send "?" on 7.035 (my private frequency, issued
> by the FCC), I ain't gonna answer
```

How do you get frequencies assigned by the FCC? I've never heard of that before...

KC5TJA/6		- TEAM DOLPHIN -
DM13		Samuel A. Falvo II
QRP-L #1447		http://www.dolphin.openprojects.net

Date: Tue, 28 Apr 1998 17:56:58 EDT
From: RangerSF5 <RangerSF5@aol.com>
To: qrp-1@Lehigh.EDU
Subject: [9401] WHEW!! STOP,STOP,STOP
Message-ID: <c12bfeae.354650ab@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

Wow,
you guys sure would come in handy in combat when If I ever needed back up support'
Thanks for all who responded to my request for the ultimate.
I'm sorry that I don't have the time to thank all of you direct.
I stopped counting after 58 who responded to me
For some reason, the <<http://RTPnet.org~qrp>> Did not work on that site.
Dennis Mo sent me <<http://www.qrparci.org>>
That one worked.
Must be an AOL thing so I'm just posting it for the information. Thanks MO.
Scott,I will now try that mile long address you sent me.
This should be fun
Thanks a million gang.

All of you have been a real big help.
Bob
WA2HOQ

Date: Tue, 28 Apr 1998 15:02:24 -0700 (PDT)
From: Monte Stark <ku7y@dri.edu>
To: KC5TJA <kc5tja@topaz.axisinternet.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [9402] Re: question mark
Message-ID: <Pine.SOL.3.96.980428145922.6421A-1000000@vortex>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Tue, 28 Apr 1998, KC5TJA wrote:

> the end of a QSO. Broadcasting a single "?" without identifying is, under
> this interpretation of the law, illegal by part 97 rules and regulations.

To follow this logic would be to say that sending QRL? and going
away if someone sends "yes" is also illegal. :-)

Good example of why the intent of the law is also important!

73, Ron, SOWP 5545M,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@sage.dri.edu.....Washoe Lake, Nevada....
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

Date: Tue, 28 Apr 1998 17:09:15 -0500
From: ac5ez@webtv.net (Larry B)
To: qrp-l@Lehigh.EDU
Subject: [9403] agenda
Message-ID: <199804282209.PAA09563@mailtod-121.bryant.webtv.net>
Content-Type: TEXT/PLAIN; CHARSET=US-ASCII
Content-Transfer-Encoding: 7BIT
MIME-Version: 1.0 (WebTV)

I came over to this group to escape hams with poliical agendas and lo
and be hold arnold shows up. Arnold please take your politics somewhere
else where they will appreciate it.

Larry Ac5ez

Date: Tue, 28 Apr 1998 15:08:00 -0700 (PDT)
From: KC5TJA <kc5tja@topaz.axisinternet.com>
To: qrp-1@Lehigh.EDU
Subject: [9404] Re: question mark (fwd)
Message-ID: <Pine.LNX.3.96.980428150706.7122G-100000@topaz.axisinternet.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

In a response to one of my responses, Monte Stark made a very good point, which I feel must be shared...

On Tue, 28 Apr 1998, KC5TJA wrote:

> the end of a QSO. Broadcasting a single "?" without identifying is, under
> this interpretation of the law, illegal by part 97 rules and regulations.

To follow this logic would be to say that sending QRL? and going away if someone sends "yes" is also illegal. :-)

Good example of why the intent of the law is also important!

73, Ron, SOWP 5545M,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@sage.dri.edu.....Washoe Lake, Nevada....
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

(Sorry for lack of signature -- forwarding messages seems to cause it to disappear.)

KC5TJA/6
Samuel A. Falvo II

There... :)

Date: Tue, 28 Apr 1998 18:14:39 EDT
From: RangerSF5 <RangerSF5@aol.com>
To: QRP-L@Lehigh.EDU
Subject: [9405] Give this person some credit
Message-ID: <b87325b8.354654d0@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

Hey gang

I just wanted to say that Nancy WZ8C from the FIST club is a WIZ.
Every time I had to "E" mail her, she came right back, and even on the morning
before she went to work she took the time to send me 2 downloads plus a letter
and now is working with me to get my paper work for my member number for my
new qsl cards.

Thank you Nancy

Bob

WA2HQQ

Date: Tue, 28 Apr 1998 18:21:58 -0400
From: Ed <edn4pk@voyageronline.net>
To: kc5tja@topaz.axisinternet.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [9406] Re: question mark
Message-ID: <35465686.6FB724AC@VoyagerOnline.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I bought mine about 35 years ago..Its mine and you can't use it.....

hihihehe

Ed N4PK

Date: Tue, 28 Apr 1998 15:17:36 -0700 (PDT)
From: KC5TJA <kc5tja@topaz.axisinternet.com>
To: Ed <edn4pk@VoyagerOnline.net>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [9407] Re: question mark
Message-ID: <Pine.LNX.3.96.980428151707.7122I-1000000@topaz.axisinternet.com>
MIME-Version: 1.0

Content-Type: TEXT/PLAIN; charset=US-ASCII

On Tue, 28 Apr 1998, Ed wrote:

> I bought mine about 35 years ago..Its mine and you can't use it.....
> hihihehe
> Ed N4PK
>

What? Are you sure it's me you should be directing this message to? I don't even know what you're talking about here... :)

Or, as the subject heading indicates...

?

```
=====
KC5TJA/6      |                -| TEAM DOLPHIN |-
DM13          |                Samuel A. Falvo II
QRP-L #1447   |                http://www.dolphin.openprojects.net
=====
```

Date: Tue, 28 Apr 1998 15:40:05 -0700
From: ki6ds@dpol.k12.ca.us (Hendricks, Doug)
To: <qrp-l@Lehigh.EDU>
Subject: [9408] Plans for Super Altoids Rig in QRPP
Message-ID: <01bd72f6\$9702b420\$630a0d0a@doug.dpol.k12.ca.us>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Guys, please, please, if you want plans for the Super Altoids Rig on Page 70 of QRPP, send your requests to Chris Cartwright, not to Paul Harden or myself. With a big ole grin on his face, Doug, KI6DS

Date: Tue, 28 Apr 1998 22:53:22 +0000
From: Ed Loranger <we6w@qsl.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

Subject: [9409] QRPP
Message-ID: <35465DE2.4C1B@qsl.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Boy this sure is one action packed QRPP. I Seem to be taking more breaks today with the magazine in Tow.

Maybe it is just me, but for some reason, I pulled out the centerfold, reversed it. It now has some obscure authors' rig schematic directly in the middle -- in full view.

I decided to turn the centerfold over because the ink was a little darker on that side. Really looks nice when you drop the book on the table and it opens up to same article :)

Whooo, whoo harr. :)

Ok. That's that.

--

72, Ed, WE6W/qrp CW ONLY; Proud Member: QRP-L/ARCI/Norcal/ARS/AR
<http://www.qsl.net/we6w> (Enjoying Ham Radio every day.)

Date: Tue, 28 Apr 1998 18:56:56 -0400
From: INEMIA <w4ed@flash.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [9410] Re: QRPTTF-QRP'ers STILL MISSING!
Message-ID: <35465EB8.B09A42C5@flash.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

An apology from T&Js news service, here in Atlanta, was issued today confirming the hoax instigated by one of their crack traffic helicopter crews. The apology went first to families of the still missing Minnesota radio operators then to the government department in charge of DEFCON affairs. This hoax blamed two innocent radio hobbyist for conducting international electronic espionage. The hoax was actually a lame cover story for the crews joy ride north.

An intense internal investigation within T&Js own organization followed the big time slip of tongue by the helicopter pilot. The helo pilot was overheard bragging about the length of his

lake trout, caught just north of the Hudson Bay. One of the crew members disputed the exaggerated length, as the entire crew grew louder and over-animated, caught up in riotous pilot rituals, in the local watering hole where the hoax was first discovered.

The helo pilot was telling fish stories and about his tricky water landings between small islands near the arctic circle. He made several such landings until he found the one honey hole filled with the largest lake trout. He went on to describe the crystal blue lake water and how he fished off the floats borrowed from one of the forward deployed T&J news helicopters.

T&Js issued another statement condemning the crew's action and has summarily disciplined the crew by taking back the two helo floats, 25X binoculars, international GPS, and night vision goggles while restricting flight operation to visual range of Atlanta's ring road (285) for two entire weeks. Directors at T&Js commented that their corporate policy of: "any news is good news for T&J" will be revisited in light of this damaging hoax. HR officials and other management thought that HR policy should also be reworked due to the overly harsh punishment on their ace traffic crew.

To date, there is no word on the status of the two missing Minnesota radio operators. One report had a sighting of said vehicle floating south on the great Mississippi. Local speculation had the vehicle sliding downhill east, not west as had been reported earlier, toward the twin cities. Given a westerly wind of 45 knots and the antenna appendage surface area as previously reported, calculations put their down wind ETA in Mississippi river headwaters at 3 AM, Sunday morning. That ETA correlates to the exact time of another vehicle sighting from customers leaving BJ's microbrew all-u-can-eat BBQ bar & swamp grill.

A further sighting had the radio vehicle stuck under the apex at ST. Louis arch, however this sighting was deemed unreliable. The observer swore he saw the occupant of the vehicle scale up a tall fishing pole in an attempt to free said trapped vehicle. But it was obviously a false report since the observer failed to mention the occupant was wearing a PFD, a federal requirement on the Mississippi. It would explain the lack of radio contact since the SLV was then grounded out on the SLA.

Yet another sighting had the vehicle in New Orleans. Speculation on this sighting had them driving the radio van on interstates at Mach 0.75, unable to use flotation, in order to match the calculated ETA with that of the sighting. This seemed unrealistic given the antenna surface area and instability of the van at Mach 0.75. Also, the new state wide replacement of radar speed detectors with laser detectors capable of this Mach, puts a dim light on this theory.

Investigators are now looking into a multi-mode transportation scenario supporting the ETA calculation into New Orleans.

Family and friends of the missing radio operators are now hoping for any news from a radio contact. Being low power high frequency radio enthusiasts, there is little concern for their battery endurance. Most concerns center on physical hazards associated with snakes, sharks, extreme heights, unstable structures, tree climbing, hanging wires, large kites, and other tightly held radiation techniques. Any contact, brief exchange, or other signals even remotely associated with the missing operators should be reported to : Internet News Entertainment Milli-wattting Intelligence Agency (INEMIA) aka QRP-L.

Note : ETA = Estimated Time of Arrival
: PDF = Personal Flotation Device, ie, life preserver
: HR = Human Resources, ie, Personnel Dept.

(any reference either direct, or indirect, scaled, offset, translated, or otherwise warped onto real people or real organizations is un-intentional, accidental, blah, blah...)

End of QRP-L Digest 1074
